

# **Digest of Education Statistics 1997**

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## CHAPTER 7

# Learning Resources and Technology

This chapter contains statistics on libraries and on the use of information technologies. These data show the extent of America's access to information technologies outside of formal classroom activities. The data also provide a capsule description of the magnitude and availability of library resources. Access to information has been widely cited as the key to success in a growing number of endeavors. Thus, how information is made available and to whom become matters of concern.

The first section of the chapter deals with public libraries, public and private school libraries, school Internet access, and college and university libraries. It contains data on collections, population served, staff, and expenditures. Two tables provide institutional-level information for the largest public libraries and the largest college libraries in the country.

The second half of the chapter provides information on the availability and use of technology. For example, the proportion of children using computers at school compared over time. Also included are data on the use of home computers by adults and school children, with comparisons among various demographic groups.

Related data may be found in various sections of this report. For example, statistics on the number of degrees conferred in computer and information sciences and library sciences are in chapter 3. Further information on survey methodologies are in the "Guide to Sources" and in the publications cited in the source notes.

### Resources

In 1993–94, there were 83 school library visits each week per 100 public school students. Elementary school students were more likely to visit their school libraries (89 visits per 100 students each week) than secondary school students (69 per 100). Private school students were slightly less likely to visit their libraries (77 per 100). The average number of library staff per school was 1.8 at public schools, and 1.2 at private schools. Public school libraries generally had smaller numbers of books on a per student basis than private school libraries. In 1994–94, public school libraries held an average of 2,585 books per 100 students compared to an average of 3,716 per 100 students at private schools. Although

public elementary school libraries had slightly smaller holdings than public secondary schools on a per student basis, the elementary school students checked out twice as many books on a per student basis (1.5 per week compared to .7 per week) (table 411).

In 1994, there were 8,921 public libraries in the United States with 672 million books and serial volumes. The annual attendance per capita was 4.1 and the reference transactions per capita was 1.1 (table 419).

The increase in college library resources maintained pace with increases in enrollment between 1984–85 and 1994–95. The library staff to student ratio decreased slightly from 153 students per staff member to 150 students per staff member. The college library operating expenditure per student average rose 9 percent in constant dollars to \$417 in 1994–95. However, other college expenditures rose faster than library expenditures and the proportion of college education budgets spent on libraries fell from 3.4 percent in 1984–85 to 2.9 percent in 1994–95 (table 416).

### Technology

There has been widespread introduction of computers into the schools in recent years. In 1995, the average public school contained 72 computers. One important technological advance that has come to schools following the introduction of computers has been connections to the Internet. The number of schools with Internet access has increased rapidly from 35 percent in 1994, to 50 percent in 1995, to 65 percent in 1996. Although some access is now widespread, most schools are not extensively connected. Only about 14 percent of instructional rooms had access to the Internet in 1996. Of the schools which had Internet access in 1995, more than one-third had access at only one computer, and another one-third had access at 2 to 5 computers (table 415).

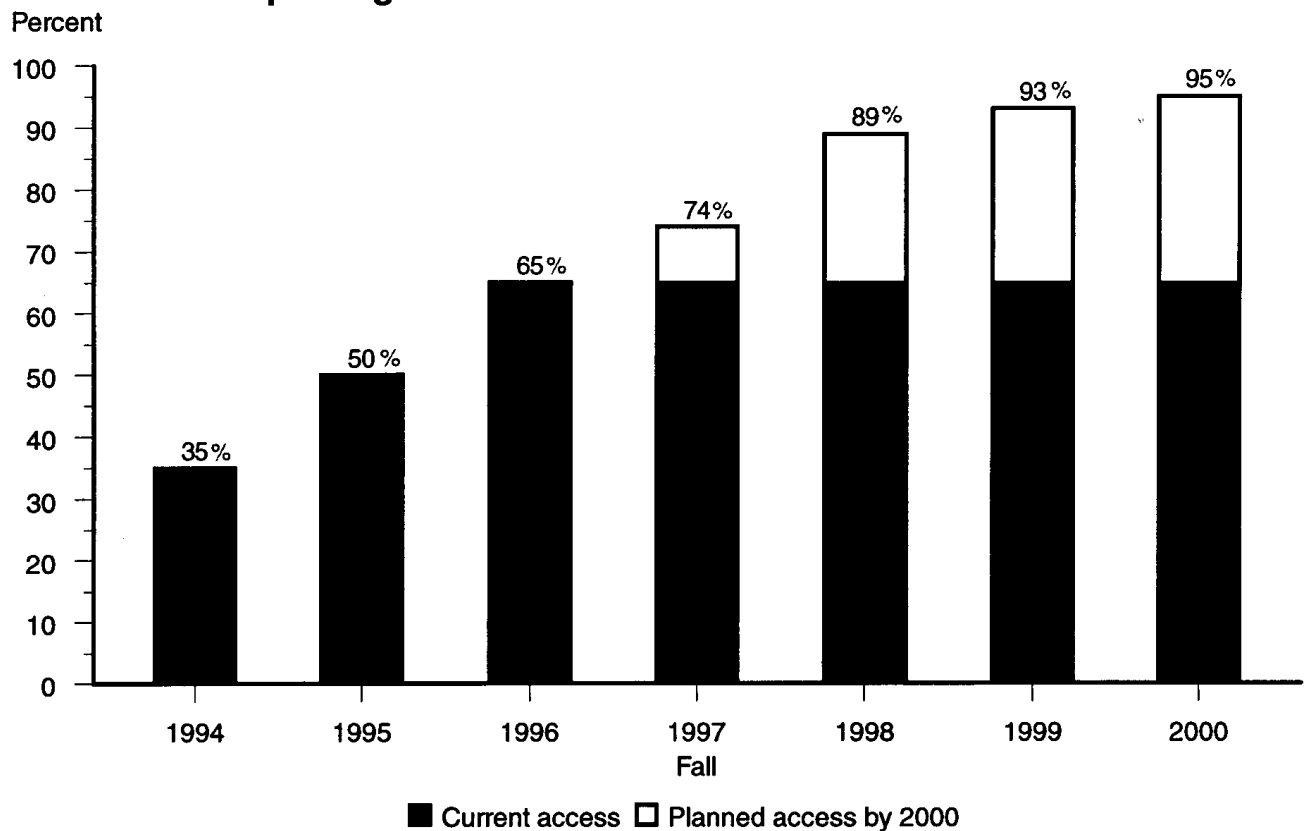
The total computer usage rate of students at school increased from 27 percent in 1984, to 43 percent in 1989, to 59 percent in October 1993. The rate for grades 1 to 8 increased from 52 percent in 1989 to 69 percent in 1993. The computer usage rate in 1993 was 58 percent for students in high school and 55 percent for students in college. Sizeable percentages of students used computers at

home, though fewer actually used them for schoolwork. About 25 percent of elementary school children used computers at home and about 11 percent used them for schoolwork. Students at the high school and undergraduate level were about twice as likely as the elementary school children to use home computers for schoolwork. In general, students in higher income families were more likely to use computers at home and use them for schoolwork than students from lower income families. About 13 percent of the high school students in the \$25,000 to \$29,999 household income group used computers at home for schoolwork compared to 45 percent in the \$75,000 and over income group (table 422).

The use of computers has become widespread in the workplace. In October 1993, 46 percent of all workers used computers on the job. More frequent use of computers was associated with higher levels

of education and higher incomes. Only 34 percent of the high school graduates and 10 percent of the high school dropouts used computers compared to 71 percent of those with master's degrees. Among those who did use computers, the master's degree recipients were more likely to use the computers for a wider variety of applications than high school graduates. The most common uses of computers on the job were: bookkeeping/invoicing (45 percent), word processing (44 percent), communications (39 percent), analysis/spreadsheets (36 percent), and data bases (35 percent). Workers in the 25- to 49-year-old age range were more likely to use computers than younger or older workers. Elementary and secondary teachers were less likely to use computers than persons employed in other managerial or professional fields (table 420).

**Figure 33.- Percent of all public schools having or expecting Internet access between fall 1994 and 2000**



SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Survey on Advanced Telecommunications in U.S. Public Schools*, Fall 1996.

**Table 411.—Percentage of school library/media centers that offered selected services and equipment, and library/media center expenditures, by control and level of school: 1993–94**

Selected statistics	Public				Private			
	Total	Elementary	Secondary	Combined	Total	Elementary	Secondary	Combined
1	2	3	4	5	6	7	8	9
<b>Number of schools with libraries .....</b>	<b>72,286 —</b>	<b>53,059 —</b>	<b>17,356 —</b>	<b>1,871 —</b>	<b>19,301 —</b>	<b>10,880 —</b>	<b>4,178 —</b>	<b>4,243 —</b>
Average number of staff per library								
Total .....	1.81 (0.02)	1.69 (0.03)	2.12 (0.03)	1.71 (0.07)	1.23 (0.03)	1.09 (0.03)	1.58 (0.06)	1.25 (0.07)
Certified library/media specialists .....	0.86 (0.01)	0.79 (0.02)	1.03 (0.02)	0.79 (0.05)	0.28 (0.01)	0.20 (0.02)	0.47 (0.03)	0.30 (0.02)
Full-time .....	0.61 (0.01)	0.51 (0.01)	0.84 (0.02)	0.51 (0.03)	0.17 (0.01)	0.07 (0.01)	0.35 (0.03)	0.21 (0.02)
Part-time .....	0.25 (0.01)	0.28 (0.02)	0.19 (0.01)	0.28 (0.04)	0.11 (0.01)	0.12 (0.02)	0.11 (0.01)	0.09 (0.02)
Other professional staff .....	0.27 (0.01)	0.27 (0.01)	0.26 (0.02)	0.29 (0.03)	0.66 (0.02)	0.65 (0.02)	0.65 (0.04)	0.70 (0.06)
Full-time .....	0.13 (0.01)	0.13 (0.01)	0.14 (0.01)	0.13 (0.03)	0.23 (0.02)	0.19 (0.01)	0.26 (0.03)	0.32 (0.04)
Part-time .....	0.13 (0.01)	0.14 (0.01)	0.13 (0.01)	0.16 (0.02)	0.43 (0.01)	0.47 (0.02)	0.39 (0.03)	0.39 (0.04)
Other paid employees .....	0.68 (0.02)	0.63 (0.02)	0.83 (0.02)	0.62 (0.04)	0.29 (0.02)	0.24 (0.02)	0.46 (0.03)	0.25 (0.03)
Full-time .....	0.34 (0.01)	0.28 (0.01)	0.49 (0.02)	0.29 (0.03)	0.07 (0.01)	0.05 (0.01)	0.12 (0.02)	0.07 (0.01)
Part-time .....	0.34 (0.01)	0.34 (0.02)	0.34 (0.02)	0.33 (0.03)	0.22 (0.01)	0.19 (0.02)	0.34 (0.02)	0.18 (0.03)
Percentage of schools' library media centers with the following equipment								
Telephone .....	61.2 (1.3)	55.8 (1.8)	74.7 (1.6)	51.6 (3.3)	40.8 (1.3)	30.7 (1.6)	52.8 (2.5)	54.6 (4.2)
Fax machine .....	7.8 (0.5)	4.7 (0.6)	15.1 (0.8)	8.8 (1.4)	5.1 (0.5)	3.1 (0.6)	7.9 (1.1)	7.4 (1.2)
Computer with modem .....	34.3 (1.0)	28.3 (1.2)	48.2 (1.5)	38.1 (3.0)	19.5 (1.0)	12.2 (1.5)	30.2 (1.9)	27.9 (2.7)
Automated catalog .....	24.0 (0.9)	20.3 (1.1)	32.8 (1.1)	20.5 (1.9)	9.7 (0.7)	5.5 (0.5)	15.8 (1.9)	14.4 (2.3)
Automated circulation system .....	37.9 (1.1)	34.1 (1.6)	47.7 (1.3)	27.8 (2.6)	9.5 (0.7)	5.4 (0.6)	16.0 (1.8)	13.8 (1.8)
Database searching with CD-ROM .....	31.2 (0.8)	23.9 (1.2)	48.1 (1.3)	31.4 (3.1)	13.9 (0.8)	6.3 (0.8)	25.7 (1.6)	21.6 (2.2)
On-line database searching .....	9.4 (0.5)	5.4 (0.5)	18.9 (0.9)	8.8 (1.5)	5.5 (0.5)	0.7 (0.3)	12.2 (1.2)	11.0 (1.7)
Compact disc for periodical indices, etc. ....	46.7 (1.1)	39.6 (1.5)	63.5 (1.3)	46.6 (3.7)	19.6 (1.0)	12.3 (1.1)	33.5 (2.2)	24.6 (2.2)
Video laser disc .....	31.9 (1.0)	30.3 (1.3)	36.1 (1.3)	26.1 (2.8)	6.3 (0.6)	4.8 (0.7)	9.9 (1.2)	6.9 (1.1)
Connection to Internet .....	12.0 (0.6)	9.5 (0.8)	17.5 (0.8)	15.0 (1.9)	5.3 (0.5)	2.8 (0.8)	9.2 (1.1)	7.5 (1.2)
Cable television .....	76.2 (0.8)	75.0 (1.1)	80.6 (0.9)	57.7 (3.6)	39.9 (1.3)	42.6 (2.0)	43.1 (2.8)	30.1 (2.7)
Broadcast television .....	48.6 (1.0)	48.0 (1.4)	49.9 (1.3)	48.1 (3.1)	39.9 (1.6)	42.9 (1.9)	39.7 (2.5)	32.2 (3.9)
Closed circuit television .....	25.5 (0.7)	22.0 (1.0)	34.0 (1.0)	20.9 (2.2)	8.8 (0.7)	5.7 (1.0)	19.2 (1.6)	6.3 (1.5)
Satellite dish .....	22.9 (0.6)	14.4 (0.7)	41.1 (1.1)	45.2 (3.0)	8.7 (0.9)	5.6 (0.9)	15.6 (1.2)	9.8 (2.5)
Total students using library per 100 students each week <sup>1</sup> .....	83.4 (0.4)	88.9 (0.5)	68.6 (0.9)	66.4 (1.8)	76.5 (0.9)	84.9 (1.0)	64.6 (1.7)	60.0 (2.6)
Books checked out per 100 students each week <sup>1</sup> .....	128 (2)	150 (3)	67 (4)	85 (8)	116 (18)	146 (28)	47 (8)	68 (5)
Percentage of schools offering—								
Microcomputers .....	90.1 (0.7)	88.5 (1.0)	94.0 (1.0)	87.4 (1.5)	75.8 (1.6)	72.8 (2.1)	80.6 (2.9)	78.5 (3.5)
Long distance learning .....	19.0 (0.8)	15.9 (1.1)	24.8 (1.0)	36.4 (2.6)	8.8 (0.9)	8.3 (0.9)	8.2 (1.6)	10.9 (2.9)
Average holdings per 100 students at the end of the 1992–93 school year								
Books (number of volumes) .....	2,585 (57)	2,467 (81)	2,891 (101)	3,085 (262)	3,716 (252)	3,455 (349)	5,383 (726)	3,677 (286)
Current serial subscriptions (print/microfilm) .....	9 (2)	7 (2)	14 (1)	15 (3)	8 (1)	7 (1)	16 (1)	8 (1)
Video materials (tape and disc) .....	38 (2)	35 (2)	46 (2)	70 (11)	47 (5)	44 (5)	50 (6)	54 (10)
Other audio-visual materials .....	116 (4)	114 (6)	117 (7)	187 (24)	76 (6)	74 (5)	120 (16)	63 (16)
Microcomputer software .....	18 (1)	20 (1)	12 (1)	21 (2)	26 (4)	28 (5)	11 (4)	26 (9)
CD-ROM titles .....	1 (2)	1 (2)	2 (2)	3 (2)	1 (2)	— (2)	2 (1)	2 (1)
Locally budgeted expenditures <sup>3</sup> per student, 1992–93								
Books .....	\$8.52 (0.23)	\$7.80 (0.25)	\$10.06 (0.42)	\$14.40 (2.06)	\$7.86 (0.45)	\$6.94 (0.52)	\$12.86 (1.26)	\$8.09 (0.97)
Current serial subscriptions (print/microfilm) .....	2.18 (0.05)	1.49 (0.06)	4.15 (0.14)	3.33 (0.30)	1.57 (0.09)	0.95 (0.10)	4.83 (0.36)	1.78 (0.20)
Video materials (tape and disc) .....	1.24 (0.04)	1.04 (0.05)	1.77 (0.10)	1.74 (0.35)	1.07 (0.09)	0.87 (0.08)	1.49 (0.15)	1.40 (0.27)
Other audio-visual materials .....	0.82 (0.04)	0.77 (0.06)	0.87 (0.07)	1.54 (0.30)	0.55 (0.05)	0.55 (0.06)	0.72 (0.10)	0.45 (0.11)
Microcomputer software .....	1.09 (0.09)	0.89 (0.07)	1.50 (0.35)	2.84 (0.90)	1.41 (0.19)	1.25 (0.20)	1.86 (0.59)	1.63 (0.36)
CD-ROM titles .....	0.63 (0.05)	0.38 (0.06)	1.24 (0.09)	2.09 (0.53)	0.69 (0.17)	0.59 (0.25)	1.69 (0.18)	0.53 (0.11)
Expenditures (all sources) per student, 1992–93								
Total, library/media materials .....	17.18 (0.35)	14.86 (0.45)	22.71 (0.82)	31.11 (3.02)	15.96 (0.80)	13.68 (0.92)	27.29 (2.29)	16.99 (1.53)
Microcomputer hardware .....	3.84 (0.25)	3.43 (0.33)	4.73 (0.46)	7.15 (1.42)	3.60 (0.59)	2.62 (0.55)	8.68 (1.87)	3.98 (1.27)
Audiovisual equipment .....	2.24 (0.15)	2.00 (0.17)	2.98 (0.46)	2.25 (0.30)	1.57 (0.19)	1.39 (0.25)	3.12 (0.60)	1.37 (0.32)
On-line database searching/electronic communications .....	0.30 (0.04)	0.25 (0.06)	0.43 (0.05)	0.55 (0.26)	0.31 (0.13)	0.29 (0.19)	0.60 (0.16)	0.24 (0.06)

<sup>1</sup> During the most recent full week of school.<sup>2</sup> Data less than 0.5 are rounded to 0.<sup>3</sup> Locally budgeted expenditures exclude federal gifts and grants.  
—Data not available.

NOTE.—Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public and 87 percent of private schools had library/media centers. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Schools and Staffing Survey, 1993–94*, unpublished data. (This table was prepared August 1997.)

**Table 412.—Selected statistics on public school library/media centers, by level and enrollment size of school: 1993–94**

Selected statistics	Public elementary, secondary, and combined	Elementary libraries, by enrollment size of school					Secondary libraries, by enrollment size of school				
		Total	Less than 150	150 to 499	500 to 749	750 or more	Total	Less than 150	150 to 499	500 to 749	750 or more
1	2	3	4	5	6	7	8	9	10	11	12
<b>Number of schools with libraries .....</b>	<b>84,415 —</b>	<b>53,059 —</b>	<b>4,068 —</b>	<b>27,288 —</b>	<b>15,587 —</b>	<b>6,116 —</b>	<b>17,536 —</b>	<b>1,991 —</b>	<b>5,431 —</b>	<b>3,610 —</b>	<b>6,503 —</b>
Average number of staff per library											
Total .....	1.81 (0.02)	1.69 (0.03)	1.39 (0.09)	1.61 (0.04)	1.76 (0.05)	2.03 (0.07)	2.12 (0.03)	1.66 (0.09)	1.73 (0.04)	1.80 (0.05)	2.90 (0.04)
Certified library/media specialists .....	0.86 (0.01)	0.79 (0.02)	0.65 (0.07)	0.75 (0.03)	0.85 (0.04)	0.90 (0.04)	1.03 (0.02)	0.80 (0.06)	0.93 (0.03)	0.98 (0.03)	1.36 (0.03)
Full-time .....	0.61 (0.01)	0.51 (0.01)	0.13 (0.04)	0.42 (0.02)	0.66 (0.02)	0.82 (0.04)	0.84 (0.02)	0.28 (0.04)	0.68 (0.02)	0.92 (0.02)	1.27 (0.02)
Part-time .....	0.25 (0.01)	0.28 (0.02)	0.52 (0.06)	0.33 (0.02)	0.19 (0.03)	0.08 (0.02)	0.19 (0.01)	0.52 (0.05)	0.24 (0.02)	0.06 (0.01)	0.09 (0.01)
Other professional staff	0.27 (0.01)	0.27 (0.01)	0.30 (0.05)	0.27 (0.02)	0.25 (0.02)	0.31 (0.04)	0.26 (0.02)	0.33 (0.05)	0.23 (0.03)	0.17 (0.02)	0.25 (0.02)
Full-time .....	0.13 (0.01)	0.13 (0.01)	0.09 (0.02)	0.13 (0.01)	0.12 (0.02)	0.22 (0.03)	0.14 (0.01)	0.13 (0.04)	0.11 (0.02)	0.08 (0.02)	0.17 (0.02)
Part-time .....	0.13 (0.01)	0.14 (0.01)	0.21 (0.04)	0.14 (0.02)	0.13 (0.02)	0.09 (0.03)	0.13 (0.01)	0.19 (0.03)	0.11 (0.02)	0.09 (0.02)	0.08 (0.01)
Other paid employees ..	0.68 (0.02)	0.63 (0.02)	0.44 (0.06)	0.59 (0.03)	0.66 (0.04)	0.82 (0.06)	0.83 (0.02)	0.54 (0.06)	0.57 (0.04)	0.66 (0.05)	1.29 (0.04)
Full-time .....	0.34 (0.01)	0.28 (0.01)	0.10 (0.03)	0.22 (0.02)	0.34 (0.03)	0.51 (0.04)	0.49 (0.02)	0.28 (0.04)	0.27 (0.03)	0.39 (0.03)	0.86 (0.03)
Part-time .....	0.34 (0.01)	0.34 (0.02)	0.34 (0.05)	0.37 (0.03)	0.32 (0.03)	0.31 (0.04)	0.34 (0.02)	0.26 (0.04)	0.31 (0.02)	0.27 (0.04)	0.43 (0.02)
Percentage of schools' library media centers with the following equipment											
Telephone .....	61.2 (1.3)	55.8 (1.8)	40.1 (5.0)	49.4 (2.3)	64.0 (2.8)	73.8 (4.0)	74.7 (1.6)	42.7 (4.9)	68.0 (2.6)	85.5 (1.9)	92.9 (1.0)
Fax machine .....	7.8 (0.5)	4.7 (0.6)	8.2 (2.6)	3.4 (0.7)	5.7 (1.3)	5.1 (1.4)	15.1 (0.8)	11.5 (2.3)	16.4 (1.5)	18.7 (2.3)	18.5 (1.3)
Computer with modem ....	34.3 (1.0)	28.3 (1.2)	21.9 (4.5)	24.9 (1.7)	33.4 (2.8)	34.6 (3.1)	48.2 (1.5)	46.4 (4.1)	47.3 (2.6)	51.3 (2.9)	59.0 (2.0)
Automated catalog .....	24.0 (0.9)	20.3 (1.1)	14.2 (3.8)	17.5 (1.4)	24.9 (2.1)	25.4 (2.2)	32.8 (1.1)	21.6 (3.5)	25.9 (2.1)	32.2 (2.7)	43.6 (1.7)
Automated circulation system .....	37.9 (1.1)	34.1 (1.6)	16.0 (3.8)	28.5 (1.9)	40.4 (2.7)	55.0 (3.3)	47.7 (1.3)	22.4 (3.9)	41.6 (2.5)	48.0 (3.1)	64.7 (1.8)
Database searching with CD-ROM .....	31.2 (0.8)	23.9 (1.2)	23.3 (3.3)	21.9 (1.7)	25.3 (2.6)	30.1 (2.8)	48.1 (1.3)	35.5 (4.1)	48.6 (2.3)	53.1 (3.1)	63.0 (2.1)
On-line database searching .....	9.4 (0.5)	5.4 (0.5)	6.0 (1.3)	4.1 (0.7)	7.1 (1.3)	6.8 (1.3)	18.9 (0.9)	14.6 (2.2)	19.9 (2.0)	20.5 (2.6)	26.3 (1.4)
Compact disc for periodical indices, etc. .	46.7 (1.1)	39.6 (1.5)	27.0 (3.5)	37.5 (2.1)	42.6 (2.7)	49.5 (3.4)	63.5 (1.3)	50.4 (3.9)	62.4 (2.3)	69.8 (2.7)	76.9 (1.5)
Video laser disc .....	31.9 (1.0)	30.3 (1.3)	19.6 (4.8)	24.8 (1.7)	37.2 (2.3)	44.3 (3.1)	36.1 (1.3)	20.0 (4.3)	27.5 (2.1)	41.1 (2.1)	43.5 (1.7)
Connection to Internet ....	12.0 (0.6)	9.5 (0.8)	5.0 (1.3)	8.7 (1.4)	11.9 (1.8)	10.0 (1.5)	17.5 (0.8)	12.3 (2.8)	18.5 (1.7)	18.9 (2.5)	23.8 (1.6)
Cable television .....	76.2 (0.8)	75.0 (1.1)	59.8 (4.9)	78.0 (1.6)	74.7 (2.3)	73.0 (3.0)	80.6 (0.9)	65.5 (4.5)	80.3 (1.9)	81.9 (2.5)	83.9 (1.1)
Broadcast television .....	48.6 (1.0)	48.0 (1.4)	47.0 (4.8)	45.2 (1.6)	51.5 (2.5)	52.3 (4.1)	49.9 (1.3)	36.4 (4.3)	46.0 (2.7)	52.0 (3.1)	59.4 (1.5)
Closed circuit television ..	25.5 (0.7)	22.0 (1.0)	7.0 (2.1)	19.2 (1.4)	23.1 (2.0)	41.4 (2.9)	34.0 (1.0)	14.3 (3.4)	26.8 (2.0)	46.1 (3.1)	44.5 (1.5)
Satellite dish .....	22.9 (0.6)	14.4 (0.7)	15.4 (2.8)	13.6 (1.2)	12.7 (1.4)	21.3 (3.1)	41.1 (1.1)	48.1 (4.9)	53.3 (2.2)	54.5 (2.7)	42.4 (1.8)
Total students using library per 100 students each week <sup>1</sup> .....	83.4 (0.4)	88.9 (0.5)	93.6 (1.0)	91.7 (0.7)	88.0 (1.0)	75.1 (2.0)	68.6 (0.9)	87.9 (2.5)	74.2 (1.4)	67.0 (1.8)	58.9 (1.1)
Books checked out per 100 students each week <sup>1</sup> .....	128 (2)	150 (3)	222 (11.5)	161 (5.2)	134 (4.6)	93 (4.7)	67 (4.0)	227 (21.3)	66 (4.2)	46 (3.6)	31 (1.1)
Percentage of schools offering—											
Microcomputers .....	90.1 (0.7)	88.5 (1.0)	79.2 (3.4)	89.1 (1.6)	88.4 (2.0)	92.1 (2.2)	94.0 (1.0)	88.4 (2.7)	96.4 (1.1)	96.4 (0.9)	96.5 (0.8)
Long distance learning ..	19.0 (0.8)	15.9 (1.1)	16.7 (2.7)	16.3 (1.6)	14.4 (1.7)	17.5 (2.6)	24.8 (1.0)	33.0 (3.0)	26.6 (1.6)	25.6 (2.0)	25.3 (1.4)
Average holdings per 100 students at the end of the 1992–93 school year											
Books (number of volumes) .....	2,585 (57)	2,467 (81)	5,774 (355)	2,721 (124)	1,600 (46)	1,340 (37)	2,891 (101)	10,071 (815)	2,809 (79)	1,822 (50)	1,354 (22)
Current serial subscriptions (print/microfilm) .....	9 (2)	7 (2)	25 (3)	7 (2)	4 (2)	3 (2)	14 (1)	55 (4)	14 (2)	8 (2)	5 (0)
Video materials (tape and disc) .....	38 (2)	35 (2)	91 (12)	36 (4)	24 (2)	20 (2)	46 (2)	129 (15)	49 (3)	35 (2)	23 (1)
Other audio-visual materials .....	116 (4)	114 (6)	183 (37)	122 (8)	96 (9)	73 (8)	117 (7)	267 (34)	123 (17)	102 (10)	74 (4)
Microcomputer software ..	18 (1)	20 (1)	60 (13)	22 (2)	11 (1)	10 (1)	12 (1)	47 (11)	8 (1)	8 (1)	6 (0)
CD-ROM titles .....	1 (2)	1 (2)	2 (2)	1 (2)	1 (2)	0 (2)	2 (2)	9 (1)	1 (2)	1 (2)	1 (2)
Locally budgeted expenditures <sup>3</sup> per student, 1992–93											
Books .....	\$8.52 (0.23)	\$7.80 (0.25)	\$17.30 (1.3)	\$7.95 (0.3)	\$6.36 (0.4)	\$4.49 (0.3)	\$10.06 (0.4)	\$28.34 (2.3)	\$11.20 (0.7)	\$6.84 (0.4)	\$5.30 (0.2)
Current serial subscriptions (print/microfilm) .....	2.18 (0.05)	1.49 (0.06)	4.66 (0.47)	1.53 (0.08)	0.89 (0.05)	0.76 (0.06)	4.15 (0.14)	13.59 (1.05)	4.11 (0.22)	2.84 (0.15)	2.02 (0.06)
Video materials (tape and disc) .....	1.24 (0.04)	1.04 (0.05)	2.58 (0.37)	0.97 (0.05)	0.91 (0.07)	0.67 (0.07)	1.77 (0.10)	5.67 (0.67)	1.75 (0.15)	1.26 (0.11)	0.89 (0.05)
Other audio-visual materials .....	0.82 (0.04)	0.77 (0.06)	1.30 (0.49)	0.79 (0.07)	0.70 (0.06)	0.53 (0.07)	0.87 (0.07)	2.63 (0.53)	0.89 (0.09)	0.64 (0.08)	0.45 (0.03)
Microcomputer software ..	1.09 (0.09)	0.89 (0.07)	1.95 (0.47)	0.92 (0.09)	0.77 (0.13)	0.41 (0.06)	1.48 (0.35)	7.52 (3.10)	1.07 (0.13)	0.69 (0.10)	0.46 (0.03)
CD-ROM titles .....	0.63 (0.05)	0.38 (0.06)	0.92 (0.28)	0.33 (0.04)	0.42 (0.16)	0.16 (0.02)	1.24 (0.09)	3.76 (0.55)	1.24 (0.13)	0.84 (0.10)	0.69 (0.04)
Expenditures (all sources) per student, 1992–93											
Total, library/media materials .....	17.18 (0.35)	14.88 (0.45)	35.43 (2.38)	15.31 (0.58)	11.19 (0.55)	8.51 (0.43)	22.71 (0.82)	69.98 (5.56)	23.74 (0.98)	14.91 (0.71)	11.72 (0.35)
Microcomputer hardware .....	3.84 (0.25)	3.43 (0.33)	10.82 (3.37)	2.91 (0.30)	3.10 (0.49)	1.72 (0.26)	4.73 (0.46)	7.81 (2.43)	5.68 (1.15)	4.06 (0.71)	3.36 (0.39)
Audiovisual equipment	2.24 (0.15)	2.00 (0.17)	5.21 (1.73)	1.71 (0.13)	1.88 (0.24)	1.45 (0.26)	2.98 (0.46)	10.44 (4.10)	2.75 (0.24)	1.70 (0.15)	1.59 (0.10)
On-line database searching/ searching electronic communications .....	0.30 (0.04)	0.25 (0.06)	0.30 (0.13)	0.27 (0.08)	0.26 (0.15)	0.11 (0.03)	0.43 (0.05)	0.79 (0.31)	0.62 (0.14)	0.27 (0.05)	0.26 (0.04)

<sup>1</sup> During the most recent full week of school.<sup>2</sup> Data less than 0.5 are rounded to 0.<sup>3</sup> Locally budgeted expenditures exclude federal gifts and grants.

—Data not available.

NOTE.—Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public and 87 percent of private schools had library/media centers. Standard errors appear in parentheses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Schools and Staffing Survey, 1993–94*, unpublished data. (This table was prepared August 1997.)



**Table 413.—Selected statistics on public school library/media centers, by state: 1993–94**

State or other area	Percent of centers offering selected services/equipment						Books held per 100 students	Total students using library per 100 students each week <sup>1</sup>	Total expenditures for materials per student <sup>2</sup>	Expenditure for micro-computers for library per student <sup>2</sup>	Expenditure for audio-visual materials for library per student <sup>2</sup>
	Computer with modem	Automated catalog	Database searching with CD-ROM	On-line database searching	Compact disc for indices, etc.	Connection to the Internet					
1	2	3	4	5	6	7	8	9	10	11	12
<b>United States .....</b>	<b>34.3 (1.0)</b>	<b>24.0 (0.9)</b>	<b>31.2 (0.8)</b>	<b>9.4 (0.5)</b>	<b>46.7 (1.1)</b>	<b>12.0 (0.6)</b>	<b>2,585 (57)</b>	<b>83.4 (0.4)</b>	<b>\$17.18 (0.35)</b>	<b>\$3.84 (0.25)</b>	<b>\$2.24 (0.15)</b>
Alabama .....	33.0 (4.2)	37.6 (5.9)	29.3 (4.0)	5.7 (2.0)	44.1 (4.6)	3.2 (1.5)	1,510 (61)	76.3 (2.2)	11.22 (0.62)	1.91 (0.39)	0.91 (0.22)
Alaska .....	34.7 (3.6)	34.3 (4.0)	39.7 (4.7)	6.8 (1.9)	44.6 (4.5)	15.1 (2.3)	4,167 (260)	85.0 (2.0)	47.38 (5.86)	9.76 (2.55)	1.94 (0.30)
Arizona .....	28.1 (3.5)	38.3 (5.3)	28.0 (4.0)	5.6 (2.2)	43.0 (4.4)	6.0 (1.9)	2,552 (211)	81.0 (3.3)	17.55 (3.05)	4.66 (1.37)	1.56 (0.31)
Arkansas .....	19.0 (4.0)	18.7 (4.0)	20.5 (4.1)	5.6 (2.4)	29.7 (4.6)	8.5 (2.5)	2,377 (355)	78.3 (2.8)	15.03 (1.45)	1.92 (0.53)	1.56 (0.29)
California .....	19.9 (4.3)	14.0 (3.4)	23.4 (3.7)	3.1 (1.0)	38.0 (5.7)	6.2 (2.3)	1,751 (193)	77.9 (2.7)	7.26 (1.00)	3.13 (0.87)	0.59 (0.17)
Colorado .....	47.0 (4.7)	43.6 (5.7)	43.3 (5.5)	30.7 (4.7)	60.7 (5.5)	16.3 (3.5)	2,190 (177)	80.6 (2.5)	16.42 (1.81)	3.01 (0.57)	1.63 (0.25)
Connecticut .....	43.8 (6.5)	12.8 (2.7)	45.4 (5.3)	17.9 (3.8)	54.4 (6.0)	6.5 (2.6)	2,289 (129)	88.0 (2.2)	15.71 (2.06)	2.84 (1.01)	1.21 (0.21)
Delaware .....	41.8 (3.6)	22.5 (3.0)	34.7 (3.5)	14.4 (2.5)	48.2 (3.5)	5.7 (2.0)	1,587 (84)	80.5 (2.3)	8.68 (0.87)	1.63 (0.24)	0.64 (0.23)
District of Columbia .....	23.5 (4.0)	4.4 (2.2)	25.4 (2.8)	10.4 (3.3)	31.2 (3.2)	1.7 (1.1)	1,578 (74)	65.6 (2.9)	8.06 (0.69)	0.49 (0.13)	1.46 (0.30)
Florida .....	45.3 (3.8)	29.8 (3.3)	39.9 (3.6)	11.8 (2.8)	71.0 (4.0)	21.1 (3.4)	1,855 430	76.6 (2.6)	13.61 (1.98)	1.85 (0.29)	2.30 (0.33)
Georgia .....	29.8 (4.7)	48.2 (4.4)	34.5 (4.6)	13.6 (2.6)	46.6 (4.7)	10.8 (2.7)	1,535 (72)	83.9 (1.6)	13.02 (0.65)	2.99 (0.71)	2.21 (0.38)
Hawaii .....	75.3 (5.3)	27.1 (4.4)	47.7 (5.7)	24.3 (4.9)	64.8 (4.9)	29.4 (5.0)	1,592 (100)	83.3 (2.6)	10.90 (1.01)	2.77 (0.46)	1.59 (0.42)
Idaho .....	29.9 (4.2)	15.4 (4.0)	21.6 (4.4)	6.2 (2.3)	32.1 (5.1)	8.6 (3.1)	2,457 (289)	86.6 (1.9)	12.20 (1.24)	2.50 (0.63)	1.12 (0.24)
Illinois .....	32.2 (3.5)	17.7 (3.8)	23.0 (3.4)	7.9 (1.7)	36.6 (4.2)	7.1 (2.2)	2,517 (264)	85.7 (1.8)	13.40 (1.34)	4.09 (1.48)	1.59 (0.19)
Indiana .....	29.9 (6.7)	31.0 (4.9)	32.0 (5.9)	2.4 (0.7)	66.1 (6.3)	5.5 (1.2)	2,518 (387)	86.2 (2.4)	14.40 (1.12)	12.45 (3.24)	2.20 (0.45)
Iowa .....	38.8 (6.4)	17.4 (5.0)	44.2 (5.7)	14.6 (3.6)	71.2 (5.7)	8.6 (3.1)	4,549 (698)	91.0 (1.8)	23.04 (2.23)	5.14 (2.03)	2.78 (0.61)
Kansas .....	24.9 (3.0)	31.5 (4.9)	20.9 (3.1)	9.7 (2.0)	46.6 (4.5)	10.6 (2.5)	3,797 (218)	89.1 (1.8)	30.85 (2.76)	11.16 (2.26)	2.93 (0.49)
Kentucky .....	30.1 (6.2)	33.1 (7.0)	32.3 (5.5)	4.3 (2.2)	60.3 (6.3)	5.3 (2.4)	1,732 (110)	84.8 (2.3)	15.16 (1.08)	2.32 (0.51)	2.40 (0.31)
Louisiana .....	24.2 (3.9)	13.9 (3.5)	21.9 (3.4)	2.3 (0.8)	28.1 (3.8)	6.2 (2.4)	1,784 (74)	64.8 (3.9)	16.18 (3.82)	1.43 (0.42)	0.50 (0.08)
Maine .....	33.3 (5.4)	18.9 (4.4)	25.5 (3.8)	5.4 (2.0)	38.9 (6.7)	5.4 (1.6)	2,331 (169)	89.4 (2.7)	17.83 (2.74)	2.21 (0.58)	0.64 (0.16)
Maryland .....	41.0 (3.9)	15.4 (3.4)	31.8 (4.5)	22.3 (3.1)	46.2 (4.7)	32.6 (3.5)	1,510 (70)	87.0 (1.8)	11.70 (0.73)	0.25 (0.06)	1.65 (0.45)
Massachusetts .....	38.2 (4.9)	9.1 (1.6)	45.3 (4.8)	8.9 (1.6)	46.3 (4.8)	24.1 (3.8)	2,523 (224)	74.8 (3.9)	10.14 (1.22)	1.50 (0.29)	1.77 (0.52)
Michigan .....	42.2 (7.6)	12.1 (3.9)	38.1 (6.3)	10.2 (3.8)	57.9 (6.1)	15.1 (5.3)	1,820 (100)	83.5 (4.1)	13.36 (2.13)	1.62 (0.55)	1.35 (0.39)
Minnesota .....	35.6 (4.8)	53.4 (6.1)	52.9 (6.1)	13.8 (3.0)	69.0 (5.6)	17.3 (3.6)	3,114 (253)	86.5 (2.8)	22.39 (3.60)	6.01 (0.96)	4.93 (1.70)
Mississippi .....	9.4 (2.0)	5.2 (2.1)	14.2 (3.9)	3.0 (1.4)	23.2 (3.6)	3.1 (1.3)	1,593 (69)	74.6 (2.5)	16.26 (4.13)	1.58 (0.62)	1.30 (0.30)
Missouri .....	31.3 (4.3)	39.4 (6.7)	31.4 (5.0)	17.8 (3.9)	46.0 (5.9)	15.7 (4.2)	2,681 (232)	81.4 (2.6)	16.95 (1.64)	2.80 (0.90)	1.23 (0.20)
Montana .....	50.8 (4.3)	20.6 (3.1)	43.7 (4.1)	17.4 (3.3)	58.2 (3.6)	6.2 (2.0)	9,562 (1,005)	89.5 (2.3)	67.92 (8.98)	15.79 (6.03)	5.61 (1.22)
Nebraska .....	31.6 (5.0)	29.0 (4.9)	36.3 (5.7)	12.1 (2.5)	58.8 (6.0)	15.8 (3.0)	7,103 (817)	90.3 (2.7)	41.70 (4.30)	23.16 (10.55)	13.52 (6.68)
Nevada .....	18.4 (4.0)	48.2 (5.5)	32.2 (4.5)	3.0 (1.3)	37.1 (4.2)	9.4 (2.9)	1,827 (168)	87.0 (1.7)	11.15 (1.00)	1.46 (0.38)	0.77 (0.14)
New Hampshire .....	43.9 (6.6)	21.4 (4.8)	39.8 (6.6)	8.2 (2.6)	51.2 (5.9)	17.4 (4.4)	2,221 (182)	87.1 (1.8)	18.97 (1.75)	2.83 (0.86)	1.41 (0.24)
New Jersey .....	39.1 (6.8)	28.5 (6.5)	30.2 (6.4)	7.2 (1.4)	46.2 (7.2)	5.2 (1.3)	2,954 (400)	84.2 (3.0)	22.91 (3.96)	3.52 (1.37)	2.05 (0.88)
New Mexico .....	32.8 (6.1)	21.9 (5.3)	32.0 (4.3)	3.9 (1.5)	43.1 (5.5)	7.8 (2.4)	2,533 (223)	82.9 (2.8)	16.80 (3.05)	1.55 (0.44)	1.73 (0.32)
New York .....	39.5 (5.5)	14.3 (3.9)	25.2 (3.4)	12.5 (2.4)	44.8 (5.1)	16.0 (3.6)	2,207 (213)	82.0 (3.4)	13.67 (1.21)	1.56 (0.46)	1.15 (0.35)
North Carolina .....	40.4 (4.6)	29.4 (4.0)	42.0 (4.3)	10.8 (1.7)	65.0 (4.1)	7.9 (2.3)	1,630 (50)	80.8 (2.4)	14.19 (0.94)	4.39 (0.53)	2.10 (0.28)
North Dakota .....	65.8 (5.3)	18.0 (3.6)	27.3 (5.1)	39.1 (5.7)	41.1 (6.5)	36.8 (5.5)	6,607 (689)	93.0 (1.3)	29.45 (2.25)	3.77 (0.84)	5.02 (1.77)
Ohio .....	33.1 (7.1)	12.9 (5.0)	16.9 (3.9)	3.3 (1.1)	31.9 (6.7)	7.1 (2.3)	3,796 (762)	86.5 (2.3)	11.03 (1.48)	0.75 (0.25)	1.53 (0.75)
Oklahoma .....	20.1 (2.7)	32.7 (3.8)	32.5 (3.5)	6.7 (1.7)	44.1 (4.2)	4.0 (1.7)	2,851 (163)	84.2 (1.5)	36.26 (4.69)	3.46 (0.60)	7.51 (4.23)
Oregon .....	38.6 (5.8)	39.2 (5.2)	51.5 (6.7)	18.9 (4.7)	49.5 (6.5)	11.7 (4.2)	3,154 (362)	84.3 (3.2)	21.32 (2.14)	7.59 (2.49)	2.75 (0.86)
Pennsylvania .....	33.9 (6.9)	17.3 (4.0)	32.6 (5.5)	2.5 (1.1)	39.2 (6.4)	6.4 (3.1)	2,562 (203)	89.6 (2.6)	15.33 (2.09)	2.23 (0.60)	1.97 (0.67)
Rhode Island .....	25.0 (4.9)	11.8 (3.2)	13.0 (3.5)	1.0 (0.6)	21.7 (4.8)	18.6 (4.2)	1,835 (232)	84.0 (2.5)	8.58 (1.51)	0.23 (0.10)	0.34 (0.14)
South Carolina .....	44.0 (5.4)	46.4 (5.0)	39.4 (5.7)	6.9 (1.7)	55.4 (7.1)	13.5 (4.1)	1,655 (133)	80.3 (3.2)	11.01 (0.71)	2.39 (0.55)	1.03 (0.19)
South Dakota .....	56.2 (6.8)	12.6 (3.4)	37.7 (6.2)	23.1 (4.2)	60.2 (5.5)	9.0 (2.7)	5,049 (542)	89.8 (2.0)	45.53 (5.37)	8.26 (1.61)	3.73 (1.41)
Tennessee .....	15.1 (4.3)	18.9 (5.1)	16.6 (4.5)	2.5 (2.3)	34.9 (6.5)	3.6 (1.9)	1,677 (102)	85.4 (2.2)	8.60 (0.68)	2.65 (1.04)	0.91 (0.20)
Texas .....	39.4 (4.6)	20.5 (4.2)	27.2 (3.1)	9.9 (2.8)	33.9 (3.8)	24.7 (4.2)	1,885 (123)	83.3 (2.0)	18.94 (1.79)	3.75 (1.18)	2.95 (0.40)
Utah .....	22.2 (3.6)	37.4 (4.1)	28.6 (3.6)	5.1 (2.3)	39.1 (3.6)	6.7 (1.9)	1,557 (105)	79.5 (2.2)	9.08 (0.95)	1.62 (0.26)	1.82 (0.32)
Vermont .....	47.0 (4.9)	27.2 (5.6)	35.3 (4.2)	14.5 (3.3)	51.9 (4.8)	32.2 (3.4)	3,155 179	87.5 (1.8)	34.53 (4.95)	6.18 (1.57)	2.90 (0.52)
Virginia .....	61.7 (8.3)	35.5 (6.1)	38.6 (5.8)	10.6 (2.9)	72.4 (7.0)	31.4 (5.6)	1,974 (108)	88.2 (2.2)	15.20 (1.09)	3.48 (0.66)	3.71 (1.01)
Washington .....	40.2 (5.2)	35.7 (5.6)	43.1 (3.6)	11.7 (2.9)	53.1 (4.9)	13.0 (2.6)	2,004 (84)	89.7 (1.3)	14.70 (1.27)	3.34 (0.69)	1.52 (0.29)
West Virginia .....	24.7 (6.0)	16.7 (4.2)	18.0 (4.0)	8.3 (3.5)	31.0 (5.5)	6.4 (3.2)	2,039 (201)	76.0 (4.7)	7.37 (1.41)	0.77 (0.25)	0.17 (2)
Wisconsin .....	34.2 (6.5)	27.2 (4.7)	36.1 (5.0)	14.8 (3.8)	57.1 (6.1)	9.0 (2.6)	2,895 (157)	86.5 (2.8)	23.99 (1.18)	5.40 (1.55)	4.10 (0.74)
Wyoming .....	39.0 (3.4)	28.0 (4.2)	32.1 (5.7)	8.1 (2.5)	41.7 (4.5)	6.6 (2.3)	10,729 (1,185)	83.5 (3.4)	46.04 (5.36)	3.23 (0.59)	3.92 (0.85)

<sup>1</sup> During the most recent full week of school.<sup>2</sup> Locally budgeted expenditures exclude federal gifts and grants.SOURCE: U.S. Department of Education, National Center for Education Statistics, *Schools and Staffing Survey, 1993–94*, unpublished data. (This table was prepared August 1997.)

NOTE.—Percentages are based on schools that have library/media centers. In school year 1990–91, 96 percent of public and 87 percent of private schools had library media centers. Standard errors appear in parentheses.

**Table 414.—Percent of public and private schools having access to selected telecommunication capabilities, by location of access site and control of school: 1995**

Telecommunications capabilities	Percent of schools having access	Percent of schools with telecommunications access, by location <sup>1</sup>				
		Administrative offices	Teacher workrooms	Classrooms	Computer labs	Library/media centers
1	2	3	4	5	6	7
All public schools						
Computer with any telecommunication capabilities via local area network .....	77	73	20	45	71	64
Computer with any telecommunication capabilities via modem .....	76	61	10	30	41	64
Computer with any telecommunication capabilities via wide area network .....	61	58	14	35	41	68
Broadcast television .....	71	35	28	82	47	88
Cable television .....	76	33	25	72	42	91
Closed circuit television .....	28	50	32	91	60	89
Two-way video with 2-way audio .....	13	24	17	57	37	69
One-way video with two-way audio or computer link .....	7	26	15	63	41	54
All private schools						
Computer with any telecommunication capabilities via local area network .....	43	71	18	33	58	35
Computer with any telecommunication capabilities via modem .....	48	70	14	24	38	33
Computer with any telecommunication capabilities via wide area network .....	29	59	15	26	41	40
Broadcast television .....	52	24	23	81	27	59
Cable television .....	37	21	21	75	29	60
Closed circuit television .....	5	32	29	99	51	71
Two-way video with 2-way audio .....	5	9	13	50	54	44
One-way video with two-way audio or computer link .....	2	32	21	66	39	46

<sup>1</sup> Location estimates are based on those schools having access to each type of telecommunication capability. Percents of schools reporting telecommunication locations do not sum to 100 because many schools have access in more than one location.

NOTE.—Data are derived from a sample survey and are subject to sampling error.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*; and *Advanced Telecommunications in U.S. Private Schools, K-12, Fall 1995*. (This table was prepared September 1997.)

**Table 415.—Percent of public schools and school classrooms having access to the Internet, by school characteristics: 1994, 1995, and 1996**

School characteristics	Estimated number of schools, 1995	Percent of schools having access to Internet			Percent of instructional rooms <sup>1</sup> having access to Internet			Mean number of all computers, <sup>2</sup> per school 1995	Percent of computers <sup>2</sup> with Internet access, 1995	Number of computers <sup>2</sup> with Internet access in schools with Internet access, 1995				
		1994	1995	1996	1994	1995	1996			Mean number of computers, 1995	Percent distribution of computers			
											1 computer	2 to 5 computers	6 to 9 computers	10 or more computers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
All public schools .....	77,853	35	50	65	3	8	14	72	14	12	35	38	6	21
Instructional level <sup>3</sup>														
Elementary .....	57,705	30	46	61	3	8	13	60	13	9	40	37	5	18
Secondary .....	18,083	49	65	77	4	8	16	112	13	16	25	39	9	27
Size of enrollment														
Less than 300 .....	20,673	30	39	57	3	9	15	41	15	7	34	42	8	16
300 to 999 .....	50,044	35	52	66	3	8	13	71	15	12	38	35	6	21
1,000 or more .....	7,136	58	69	80	3	4	16	164	8	15	19	45	5	31
Metropolitan status														
City .....	17,906	40	47	64	4	6	12	84	11	11	29	39	6	26
Urban fringe .....	18,464	38	59	75	4	8	16	83	13	12	38	34	6	22
Town .....	19,539	29	47	61	3	8	14	72	16	14	36	35	6	22
Rural .....	21,944	35	48	60	3	8	14	54	14	9	36	42	6	16
Percent of students eligible for free or reduced-price lunch														
Less than 11 percent .....	13,192	—	62	78	—	9	18	77	15	14	29	38	6	26
11 to 30 percent .....	21,876	—	59	72	—	10	16	78	15	13	35	33	7	25
31 to 70 percent .....	28,017	—	47	58	—	7	14	68	12	9	40	40	5	15
71 percent or more .....	14,651	—	31	53	—	3	7	65	10	9	32	43	4	21

<sup>1</sup> Includes all classrooms, computer labs, and library/media centers.

<sup>2</sup> Includes computers used for instructional or administrative purposes.

<sup>3</sup> Excludes combined elementary/secondary schools because of small sample size.

—Data not available.

NOTE.—Data are derived from a sample survey and are subject to sampling error. Details may not add to totals because of rounding of weighted estimates.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Fast Response Survey System, *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, Fall 1996*; and *Advanced Telecommunications in U.S. Public Elementary and Secondary Schools, 1995*. (This table was prepared August 1997.)

**Table 416.—General statistics of college and university libraries: 1974–75 to 1994–95**

Item	1974–75 <sup>1</sup>	1975–76 <sup>1</sup>	1976–77 <sup>1</sup>	1978–79 <sup>1</sup>	1981–82	1984–85	1987–88	1991–92	1994–95
1	2	3	4	5	6	7	8	9	10
Number of libraries .....	2,972	2,987	3,058	3,122	3,104	3,322	3,438	3,274	3,639
Transactions, general collection .....	—	—	—	—	—	—	—	—	186,092
Transactions, reserve collection .....	—	—	—	—	—	—	—	—	49,567
Total enrollment, in thousands <sup>2</sup> .....	10,322	11,291	11,121	11,392	12,372	12,242	12,767	14,359	14,279
Full-time-equivalent enrollment, in thousands <sup>2</sup> .....	7,805	8,480	8,313	8,348	9,015	8,952	9,230	10,361	10,348
<b>Collections, thousands of units</b>									
Number of volumes at end of year .....	447,059	468,033	481,442	519,895	567,826	631,727	718,504	749,429	792,707
Number of volumes added during year .....	23,242	22,977	22,367	21,608	19,507	20,658	21,907	20,982	22,460
Number of serial subscriptions <sup>3</sup> .....	4,434	4,618	4,670	4,775	4,890	6,317	6,416	6,966	6,780
Microform titles at end of year .....	—	—	—	—	—	—	—	—	160,188
Computer files at end of year .....	—	—	—	—	—	—	—	—	480
<b>Library staff, in full-time equivalents</b>									
Total staff in regular positions <sup>3</sup> .....	56,836	56,852	57,087	58,416	58,476	58,476	67,251	67,166	68,920
FTE enrollment per FTE staff .....	137.3	149.2	145.6	142.9	154.2	153.1	137.2	154.3	150.1
Librarians and professional staff .....	23,530	23,104	23,308	23,676	23,816	21,822	25,115	26,341	27,376
Other paid staff .....	33,306	33,748	33,779	34,740	34,660	38,026	40,733	40,421	41,227
Contributed services .....	—	—	—	—	—	—	1,403	404	317
Student assistants .....	—	—	—	—	—	—	33,821	29,075	29,077
Hours of student and other assistance, in thousands .....	34,687	36,725	39,950	39,552	40,068	28,360	—	—	—
<b>Library operating expenditures (excluding capital outlay)</b>									
Operating expenditures, total, in thousands .....	\$1,091,784	\$1,180,128	\$1,259,637	\$1,502,158	\$1,943,769	\$2,404,524	\$2,770,075	\$3,648,654	\$4,317,847
Salaries <sup>4</sup> .....	592,568	649,374	698,090	824,438	1,081,894	1,156,138	1,451,551	1,889,368	2,058,375
Hourly wages .....	61,474	66,175	68,683	79,535	100,847	—	—	—	—
Fringe benefits .....	—	—	—	—	—	231,209	—	—	238,984
Preservation .....	22,206	22,375	22,521	25,274	30,351	32,939	34,144	43,126	47,296
Furniture/equipment .....	—	—	—	—	—	—	—	—	56,432
Computer hardware/software .....	—	—	—	—	—	—	—	—	126,936
Utilities/networks/consortia .....	—	—	—	—	—	—	—	—	81,686
Collections .....	327,904	357,544	373,699	450,180	561,199	750,282	891,281	1,197,293	1,374,407
Print materials .....	—	—	—	—	—	—	—	420,930	451,988
Serial subscriptions .....	—	—	—	—	—	—	—	639,128	703,463
Microforms .....	—	—	—	—	—	—	—	43,666	61,702
Audiovisual materials .....	—	—	—	—	—	—	—	23,879	29,375
Machine readable materials .....	—	—	—	—	—	—	—	29,093	72,735
Collections, loans .....	—	—	—	—	—	—	—	—	12,440
Other collection expenditures .....	—	—	—	—	—	—	—	40,596	42,704
Other library operating expenditures .....	87,632	84,660	96,643	122,731	169,478	233,957	393,099	518,867	333,732
Operating expenditures per FTE student .....	140	139	152	180	216	269	300	352	417
Operating expenditures per FTE student in constant 1994–95 dollars .....	406	377	388	395	345	382	390	383	417
Operating expenditures, total, in percents .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Salaries <sup>4</sup> .....	54.3	55.0	55.4	54.9	55.7	48.1	52.4	51.8	47.7
Hourly wages .....	5.6	5.6	5.5	5.3	5.2	—	—	—	—
Fringe benefits .....	—	—	—	—	—	9.6	—	—	5.5
Preservation .....	2.0	1.9	1.8	1.7	1.6	1.4	1.2	1.2	1.1
Collections .....	30.0	30.3	29.7	30.0	28.9	31.2	32.2	32.8	31.8
Other library operating expenditures .....	8.0	7.2	7.7	8.2	8.7	9.7	14.2	14.2	13.9
Library operating expenditures as percent of total institutional expenditures for educational and general purposes .....	3.9	3.8	3.8	3.7	3.5	3.4	3.2	3.0	2.9

<sup>1</sup> Includes data for U.S. territories.<sup>2</sup> Fall enrollment for the academic year specified.<sup>3</sup> Data are for end of year. Excludes student assistants.<sup>4</sup> Includes expenditures for fringe benefits (except for 1984–85 and 1987–88) and salary equivalents of contributed services staff.

—Data not available.

NOTE.—Because of rounding, details may not add to totals.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Library Statistics of Colleges and Universities*, various years; and Integrated Postsecondary Education Data System, "Academic Library Survey." (This table was prepared July 1997.)

**Table 417.—Selected statistics on the collections, staff, and operating expenditures of 60 large college and university libraries: 1994**

Institution	Rank order, by number of volumes	Number of volumes at end of year, in thousands	Full-time-equivalent staff		Operating expenditures, in thousands		Public service hours per week	Gate count per week	Reference transactions per week
			Total	Professional	Total	Salaries and wages			
1	2	3	4	5	6	7	8	9	10
Harvard University (Mass.) <sup>1</sup>	1	12,395	1,096	363	\$54,451	\$29,467	95	( <sup>2</sup> )	( <sup>2</sup> )
Yale University (Conn.)	2	10,503	623	191	38,333	16,254	90	( <sup>2</sup> )	( <sup>2</sup> )
University of Illinois, Urbana Campus	3	8,475	513	152	21,535	10,704	94		13,516
University of Texas, Austin	4	7,020	643	144	22,387	12,517	107	170,346	13,664
University of Michigan, Ann Arbor	5	6,664	590	140	30,521	13,424	99	( <sup>2</sup> )	( <sup>2</sup> )
University of California, Berkeley	6	6,654	543	132	32,954	16,696	82	( <sup>2</sup> )	( <sup>2</sup> )
Columbia University, Main Division (N.Y.)	7	6,532	568	170	27,916	14,768	103	( <sup>2</sup> )	( <sup>2</sup> )
Stanford University (Calif.)	8	6,409	555	162	36,203	18,658	49	( <sup>2</sup> )	( <sup>2</sup> )
University of California, Los Angeles	9	6,306	560	126	27,313	13,141	87	79,871	12,996
University of Chicago (Ill.)	10	5,710	362	75	18,124	8,781	109	24,370	1,407
Indiana University, Bloomington	11	5,554	471	142	22,761	11,400	101	( <sup>2</sup> )	15,644
University of Wisconsin, Madison	12	5,536	533	150	25,320	13,245	131	129,254	10,314
University of Washington	13	5,355	485	130	23,846	12,704	104	( <sup>2</sup> )	( <sup>2</sup> )
Princeton University (N.J.)	14	5,186	400	121	23,608	11,556	120	( <sup>2</sup> )	( <sup>2</sup> )
University of Minnesota, Twin Cities	15	5,101	446	104	23,870	11,883	122	( <sup>2</sup> )	6,450
Ohio State University, Main Campus	16	4,786	409	103	19,772	9,304	168	50,616	18,926
Cornell University (N.Y.)	17	4,705	458	134	20,415	9,768	79	( <sup>2</sup> )	4,818
Duke University (N.C.)	18	4,330	330	104	20,929	8,619	113	( <sup>2</sup> )	3,734
University of Pennsylvania	19	4,210	376	108	21,498	10,200	137	51,923	8,433
University of North Carolina, Chapel Hill	20	4,155	430	122	20,668	10,006	110	( <sup>2</sup> )	6,401
University of Arizona	21	4,126	361	84	17,171	7,272	158	55,783	4,068
University of Virginia, Main Campus	22	4,059	353	92	17,011	8,157	111	( <sup>2</sup> )	3,400
Michigan State University	23	3,904	290	64	13,369	6,871	109	( <sup>2</sup> )	( <sup>2</sup> )
University of Iowa	24	3,567	304	94	15,095	7,250	107	( <sup>2</sup> )	( <sup>2</sup> )
New York University	25	3,335	440	140	24,418	11,889	115	50,000	6,000
University of Southern California	26	3,248	346	107	17,794	9,061	168	6,433	5,731
University of Georgia	27	3,216	317	83	14,455	6,534	114	26,398	2,775
University of Pittsburgh, Main Campus (Penn.)	28	3,201	379	95	18,671	7,689	121	42,017	6,203
University of Kansas, Main Campus	29	3,117	282	88	11,760	5,420	100	( <sup>2</sup> )	( <sup>2</sup> )
University of Florida	30	3,092	400	110	15,780	8,553	74	187,737	15,000
University of Hawaii, Manoa	31	2,942	258	74	13,203	7,277	106	55,620	3,165
Northwestern University (Ill.)	32	2,932	315	84	12,663	6,422	119	22,401	2,727
Johns Hopkins University (Md.)	33	2,874	281	81	16,853	6,771	123	15,219	1,579
State U of New York, Buffalo, Main Campus	34	2,864	257	91	12,681	6,554	90	69,700	6,215
University of Rochester (N.Y.)	35	2,843	218	69	9,841	4,377	97	17,385	635
Wayne State University (Mich.)	36	2,834	261	79	12,938	6,023	97	46,709	9,649
Syracuse University, Main Campus (N.Y.)	37	2,779	251	70	9,435	4,910	105	23,318	2,193
Louisiana State U. & A&M & Hebert Laws Center	38	2,778	201	48	9,444	4,466	99	( <sup>2</sup> )	3,400
Arizona State University	39	2,777	314	86	14,053	6,892	97	6,000	5,260
Brown University (R.I.)	40	2,710	264	79	13,028	5,746	111	25,329	2,019
University of Missouri, Columbia	41	2,684	248	58	10,166	4,444	105	42,000	2,503
Southern Illinois University, Carbondale	42	2,648	215	42	9,508	4,453	92	22,974	2,660
University of South Carolina at Columbia	43	2,639	236	69	10,549	5,008	111	39,392	5,110
University of Massachusetts at Amherst	44	2,604	189	51	10,432	5,493	95	28,892	3,137
University of Kentucky	45	2,557	325	78	11,652	5,950	146	47,034	8,876
Pennsylvania State University, Main Campus	46	2,541	419	84	18,067	9,558	168	65,231	8,426
University of Colorado, Boulder	47	2,504	249	62	13,512	5,841	107	74,629	5,029
Washington University (Missouri)	48	2,476	188	52	10,355	4,039	102	16,811	5,292
University of Maryland, College Park Campus	49	2,454	464	104	14,473	7,538	126	72,844	12,636
North Carolina State University at Raleigh	50	2,399	244	63	11,937	4,943	107	39,954	3,109
University of California, Davis	51	2,391	306	65	13,132	7,066	87	20,167	4,939
Massachusetts Institute of Technology	52	2,366	226	85	11,771	6,072	100	30,000	3,000
University of Utah	53	2,350	319	65	12,856	5,713	100	32,672	1,307
Brigham Young University	54	2,326	291	100	12,421	5,877	101	73,668	13,231
University of Nebraska at Lincoln	55	2,324	221	56	9,445	4,339	108	18,556	1,243
University of California, San Diego	56	2,297	335	81	15,078	8,166	100	43,753	3,333
Southern Methodist University	57	2,240	159	50	7,752	3,737	116	( <sup>2</sup> )	2,500
Indiana University of Pennsylvania <sup>1</sup>	58	2,236	232	60	10,707	5,111	104	( <sup>2</sup> )	( <sup>2</sup> )
Auburn University, Main Campus	59	2,234	191	51	8,911	3,733	99	24,714	3,999
University of Oklahoma, Norman Campus	60	2,225	149	42	6,957	2,862	97	30,402	4,017

<sup>1</sup> Data estimated based on previous year's report.<sup>2</sup> Data not available.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, 1994 Academic Library Survey. (This table was prepared July 1997.)

**Table 418.—General statistics of public libraries, by population of legal service area: 1994**

Item	Population of legal service area						
	Total	Under 10,000	10,000 to 49,999	50,000 to 99,999	100,000 to 249,999	250,000 to 499,999	500,000 and over
1	2	3	4	5	6	7	8
<b>Number of public library service outlets</b>	<b>16,896</b>	<b>5,762</b>	<b>4,128</b>	<b>1,785</b>	<b>2,086</b>	<b>1,108</b>	<b>2,027</b>
Central libraries .....	8,876	5,420	2,496	493	321	76	70
Branch libraries .....	7,024	264	1,282	1,087	1,581	957	1,853
Bookmobiles .....	996	78	350	205	184	75	104
<b>Collections, in thousands</b>							
Books and serial volumes <sup>1</sup> .....	671,742	92,889	165,318	81,072	96,947	69,508	166,008
Audio and video materials and films .....	32,835	3,125	7,752	4,038	5,004	2,950	9,966
Serial subscriptions .....	1,772	265	462	209	232	154	450
<b>Paid staff, in full-time equivalents</b>							
Librarians .....	38,045	5,514	9,655	4,606	5,405	3,763	9,104
Librarians with ALA-MLS <sup>2</sup> .....	25,878	1,048	5,848	3,304	4,223	3,120	8,335
Other staff .....	74,739	4,909	17,961	10,015	12,800	8,300	20,753
<b>Income, in thousands</b>							
Total operating income .....	\$5,260,086	\$354,252	\$1,202,080	\$658,202	\$843,131	\$605,998	\$1,596,423
<b>Source of operating income</b>	Percentage distribution						
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Federal <sup>3</sup> .....	1.1	1.4	0.8	0.9	1.1	1.1	1.3
State .....	12.3	9.4	10.9	14.0	9.7	10.7	15.3
Local .....	78.2	74.3	79.7	77.9	82.3	82.6	74.2
Other .....	8.4	14.9	8.6	7.3	6.9	5.6	9.2

<sup>1</sup> Some data are different from other tables due to a different population base.<sup>2</sup> ALA-MLS=A master's degree from a graduate library education program accredited by the American Library Association (ALA).<sup>3</sup> Excludes some federal funds received through state library agencies.

NOTE.—Because of rounding, details may not add to totals. Totals may be underestimated due to nonresponse on item or legal service area.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: 1994*. (This table was prepared March 1997.)**Table 419.—Public libraries, books and serial volumes, library visits, and reference transactions, by state: 1994**

State	Number of public libraries	Number of books and serial volumes <sup>1</sup> (in thousands)	Number of books and serial volumes per capita	Library visits per capita <sup>2</sup>	Circulation per capita	Public library reference transactions per capita <sup>3</sup>	State	Number of public libraries	Number of books and serial volumes <sup>1</sup> (in thousands)	Number of books and serial volumes per capita	Library visits per capita <sup>2</sup>	Circulation per capita	Public library reference transactions per capita <sup>3</sup>
1	2	3	4	5	6	7	1	2	3	4	5	6	7
<b>United States .....</b>	<b>8,921</b>	<b>671,815</b>	<b>2.7</b>	<b>4.1</b>	<b>6.4</b>	<b>1.1</b>							
Alabama .....	207	7,372	2.0	3.3	3.9	0.7	Missouri .....	147	19,475	4.0	4.3	7.8	0.9
Alaska .....	87	1,867	3.1	3.8	6.3	0.7	Montana .....	82	2,541	3.1	3.5	6.0	0.7
Arizona .....	39	7,311	2.0	4.7	6.8	1.3	Nebraska .....	269	4,705	3.8	—	7.8	—
Arkansas .....	35	4,714	2.1	2.3	4.0	0.4	Nevada .....	23	293	2.0	3.1	4.8	0.7
California .....	170	59,072	1.9	4.0	4.6	1.3	New Hampshire .....	229	4,825	4.4	4.8	7.5	0.7
Colorado .....	120	9,522	2.6	4.3	7.8	1.2	New Jersey .....	309	29,234	3.8	4.7	5.8	0.9
Connecticut .....	194	12,854	4.3	6.3	8.1	1.1	New Mexico .....	73	3,765	3.3	—	6.5	0.8
Delaware .....	29	1,255	1.9	3.3	4.3	0.6	New York .....	741	69,875	4.2	4.9	7.1	1.6
District of Columbia .....	1	2,165	3.6	3.5	3.1	1.6	North Carolina .....	74	13,468	2.0	3.3	5.9	0.8
Florida .....	97	21,961	1.7	—	5.1	—	North Dakota .....	78	1,890	3.5	5.4	7.3	—
Georgia .....	54	12,724	1.8	2.8	4.4	0.6	Ohio .....	250	40,400	3.6	5.0	11.8	1.6
Hawaii .....	1	2,875	2.3	2.9	5.7	1.3	Oklahoma .....	112	5,635	2.2	3.9	6.4	0.7
Idaho .....	107	2,997	3.3	4.9	7.9	0.9	Oregon .....	124	6,479	2.4	—	9.6	0.8
Illinois .....	606	35,416	3.4	5.3	7.5	1.3	Pennsylvania .....	445	24,661	2.1	3.0	4.7	0.7
Indiana .....	238	19,653	3.7	5.7	9.6	1.1	Rhode Island .....	51	3,873	4.1	5.4	6.2	1.0
Iowa .....	518	10,904	3.9	5.2	8.9	0.6	South Carolina .....	40	6,337	1.7	2.9	4.3	1.1
Kansas .....	324	9,016	4.4	5.1	9.2	1.3	South Dakota .....	113	2,277	3.4	3.7	7.0	—
Kentucky .....	116	7,160	2.0	2.6	5.1	0.3	Tennessee .....	140	8,358	1.7	2.5	3.9	1.0
Louisiana .....	65	9,659	2.2	2.3	4.4	0.6	Texas .....	496	32,360	2.0	3.0	4.3	1.1
Maine .....	232	4,874	4.9	—	7.6	—	Utah .....	69	4,899	2.7	—	8.9	—
Maryland .....	24	13,086	2.7	4.5	9.1	1.1	Vermont .....	200	2,335	4.8	—	7.1	—
Massachusetts .....	373	28,015	4.7	—	6.9	0.7	Virginia .....	90	15,576	2.5	4.4	7.0	1.0
Michigan .....	380	26,297	2.9	3.8	5.4	0.9	Washington .....	69	14,297	2.8	—	10.1	1.0
Minnesota .....	132	12,513	2.8	4.6	9.4	1.4	West Virginia .....	97	4,608	2.5	3.4	4.6	1.0
Mississippi .....	47	5,079	2.0	2.5	3.1	0.4	Wisconsin .....	381	16,363	3.2	5.2	8.7	1.2
							Wyoming .....	23	2,225	4.7	4.7	8.1	0.7

<sup>1</sup> Some data are different from other tables due to a different population base.<sup>2</sup> The total number of persons entering the library for whatever purpose during the year.<sup>3</sup> A reference transaction is an information contact which involves the knowledge, use, recommendations, interpretation or instructions in the use of one or more information sources by a member of the library staff.

—Response rate less than 70 percent.

NOTE.—Totals may be underestimated due to nonresponse.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Public Libraries in the United States: 1994*. (This table was prepared March 1997.)

**Table 420.—Percent of workers, 18 years old and over, using computers on the job, by selected characteristics and computer activities: October 1993**

Selected characteristics	Percent using computers at work	Number using computers at work, in thousands	Percent of on-the-job computer workers using specific computer applications <sup>1</sup>										
			Analysis/spreadsheets	Book-keeping, invoicing, and inventory	Communications <sup>2</sup>	CAD <sup>3</sup>	Data bases	Desktop publishing/graphics	Education	Programming	Sales and telemarketing	Word processing	Using 4 or more categories
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Total</b> .....	<b>45.8</b>	<b>51,106</b>	<b>36.1</b>	<b>45.0</b>	<b>38.7</b>	<b>7.6</b>	<b>34.5</b>	<b>22.3</b>	<b>15.7</b>	<b>13.1</b>	<b>16.2</b>	<b>44.4</b>	<b>40.7</b>
<b>Age</b>													
18 to 24 .....	34.4	4,965	25.0	45.3	27.1	6.0	27.1	15.9	10.4	11.2	19.9	34.7	29.8
25 to 29 .....	48.3	8,424	37.2	45.2	38.7	7.7	35.0	22.8	14.3	13.9	17.0	45.7	41.8
30 to 39 .....	50.7	14,969	38.8	45.4	40.4	8.7	36.0	25.0	15.8	14.9	16.4	45.0	42.9
40 to 49 .....	51.3	13,854	38.6	45.1	42.0	7.9	36.8	23.4	18.5	12.9	14.5	47.5	43.4
50 to 59 .....	43.9	6,881	34.5	44.3	38.8	6.4	33.3	20.4	15.8	11.2	15.0	43.9	39.2
60 or older .....	27.2	2,014	28.0	42.7	31.6	4.5	27.4	15.0	14.0	9.3	16.9	40.0	33.9
<b>Educational attainment and sex</b>													
Not high school graduate .....	10.0	1,190	19.1	54.4	20.4	3.8	22.2	9.9	9.6	8.8	20.6	16.0	21.8
High school graduate .....	34.2	13,307	23.7	52.5	29.4	4.4	25.8	13.3	9.5	8.9	17.6	30.8	29.9
Some college .....	50.4	11,548	33.5	49.5	38.5	7.3	33.9	20.6	13.0	11.3	18.0	40.9	40.0
Associate degree .....	58.2	5,274	37.5	47.0	39.7	7.9	34.7	21.7	13.8	14.2	14.9	41.6	40.7
Bachelor's degree .....	68.8	13,162	46.9	40.0	45.1	10.4	41.5	28.8	19.4	16.7	17.0	54.8	49.2
Master's degree .....	71.2	4,628	47.9	29.3	48.5	10.0	41.9	35.3	31.0	18.1	10.4	63.8	52.1
Doctor's or professional degree .....	66.9	1,999	42.8	27.9	45.9	7.6	39.2	28.3	21.3	15.2	5.2	66.5	46.2
<b>Male</b>													
Not high school graduate .....	8.5	642	20.2	56.0	20.9	5.6	19.8	10.9	9.1	9.6	18.1	40.7	43.0
High school graduate .....	24.2	4,942	23.4	52.0	24.6	7.2	19.6	12.9	7.7	9.6	16.2	12.2	21.1
Some college .....	42.8	5,086	35.8	50.4	37.1	10.4	33.4	22.0	12.8	15.6	20.9	32.1	40.0
Associate degree .....	52.6	2,358	41.8	46.8	39.3	13.3	36.0	26.2	14.7	19.1	16.8	36.6	41.9
Bachelor's degree .....	69.8	7,324	52.3	42.6	47.1	13.8	43.4	31.6	16.6	21.0	20.9	53.8	53.2
Master's degree .....	75.4	2,601	56.0	34.1	51.7	13.0	46.8	37.8	25.2	22.5	13.8	63.3	57.2
Doctor's or professional degree .....	66.5	1,461	45.0	29.2	46.0	8.6	38.7	29.9	20.9	17.9	5.2	63.7	47.9
<b>Female</b>													
Not high school graduate .....	12.5	547	17.8	52.5	19.9	1.7	25.1	8.7	10.3	7.9	14.5	47.8	38.6
High school graduate .....	45.2	8,365	23.8	52.8	32.2	2.8	29.4	13.6	10.5	8.6	25.8	20.5	22.6
Some college .....	58.6	6,461	31.6	48.7	39.7	4.8	34.3	19.4	13.1	8.0	17.5	38.8	32.5
Associate degree .....	63.7	2,916	34.0	47.1	40.0	3.5	33.6	18.1	13.1	10.2	13.5	45.7	39.6
Bachelor's degree .....	67.6	5,838	40.2	36.8	42.5	6.1	39.2	25.3	22.9	11.5	12.0	56.1	44.1
Master's degree .....	66.5	2,027	37.4	23.2	44.3	6.0	35.6	32.1	38.5	12.4	6.0	64.4	45.5
Doctor's or professional degree .....	68.2	538	36.8	24.1	45.4	4.8	40.8	24.1	22.3	7.7	5.2	74.3	41.5
<b>Race/ethnicity</b>													
White, non-Hispanic .....	48.7	43,020	37.2	45.8	39.3	7.8	35.2	23.0	15.9	13.4	16.7	45.9	41.8
Black, non-Hispanic .....	36.2	4,016	27.5	38.3	37.3	5.8	31.2	16.8	15.7	10.9	12.9	35.5	34.1
Hispanic .....	29.3	2,492	29.1	45.6	32.1	6.5	27.6	18.7	13.3	10.8	16.0	33.6	32.9
Other .....	43.9	1,578	39.7	39.4	37.2	8.9	33.5	22.6	12.9	15.2	10.2	44.5	39.0
<b>Occupational group</b>													
Managerial and professional specialty .....	67.7	21,044	46.5	39.3	45.7	10.6	40.3	31.1	22.2	16.7	11.6	56.7	49.7
Executive, administrative, and managerial .....	72.3	10,645	54.5	54.3	49.0	8.1	44.3	29.6	15.9	14.9	18.4	58.3	55.6
Professional specialty occupations .....	68.3	7,712	43.2	26.6	45.8	15.4	40.7	33.2	16.1	20.0	5.4	54.2	45.2
Teachers, except college and university .....	49.1	2,091	18.9	16.4	28.0	5.5	20.1	30.0	69.6	11.2	2.3	52.0	36.2
Teachers, college and university .....	72.5	597	44.0	15.8	48.9	11.2	33.4	34.9	47.0	23.8	2.2	77.4	51.1
Technical, sales, and administrative support .....	65.5	22,316	31.2	50.7	36.5	5.1	33.4	17.3	11.9	10.9	22.6	42.0	38.7
Technicians and related support .....	69.9	2,592	41.5	29.0	38.1	13.1	37.9	21.2	11.0	28.8	4.7	37.4	37.9
Sales occupations .....	48.8	6,220	34.1	59.9	33.6	4.7	31.5	18.5	11.0	8.2	53.7	34.8	43.5
Administrative support, including clerical .....	76.7	13,505	27.9	50.6	37.5	3.7	33.3	16.0	12.4	8.7	11.7	46.2	36.6
Service occupations .....	14.7	2,126	15.2	31.3	31.5	2.7	20.9	7.5	9.1	6.6	11.6	20.5	18.7
Precision production, craft, and repair .....	23.2	2,976	32.0	45.3	29.2	9.9	26.1	16.4	11.0	14.4	9.6	20.6	28.2
Operators, fabricators, and laborers .....	14.9	2,382	15.3	51.8	18.3	6.1	17.0	12.5	6.5	7.1	9.6	11.4	16.4
Farming, forestry, and fishing .....	8.5	262	27.5	65.3	16.4	1.8	27.3	16.2	8.6	7.6	10.4	28.2	31.7
<b>Family income<sup>4</sup></b>													
Less than \$20,000 .....	25.1	5,224	24.4	46.6	28.8	5.1	27.4	15.5	12.1	9.4	18.7	33.1	30.6
\$20,000 to \$29,999 .....	38.4	7,337	29.3	48.9	35.3	6.1	31.1	19.2	13.8	11.2	17.8	38.6	36.7
\$30,000 to \$39,999 .....	45.7	8,911	32.3	47.1	35.7	6.9	31.5	20.6	15.1	11.8	15.0	40.7	37.1
\$40,000 to \$49,999 .....	51.9	7,027	34.2	45.4	37.3	7.3	33.0	20.6	15.6	12.9	13.4	42.2	38.2
\$50,000 to \$74,999 .....	60.6	12,643	40.4	43.4	42.2	8.9	37.5	24.4	17.8	14.6	15.2	47.6	43.7
\$75,000 or more .....	65.9	8,994	49.3	40.6	47.8	9.5	42.1	29.5	17.0	16.3	17.5	57.9	52.2

<sup>1</sup> Individuals may be counted in more than one computer activity.<sup>2</sup> Includes bulletin boards and electronic mail.<sup>3</sup> Computer assisted design.<sup>4</sup> Excludes persons whose income data were not available.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1993, unpublished data. (This table was prepared March 1994.)

**Table 421.—Access to and use of home computers, by selected characteristics of students and other users:  
October 1993**

Selected characteristics	Percent with computers at home	Percent using computers at home	Distribution of frequency of use per week for persons using computers in home				Percent of persons whose home computer has specific components <sup>1</sup>				Percent of computer users using specific applications <sup>2</sup>					
			6 or 7 days	4 or 5 days	2 or 3 days	1 day or less	Hard disk	Printer	Color monitor	Fax or modem	Communications <sup>3</sup>	School assignments	Education programs	Games	Job-related	Word processing
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Total, all persons .....</b>	<b>27.1</b>	<b>17.6</b>	<b>14.7</b>	<b>17.1</b>	<b>33.3</b>	<b>34.9</b>	<b>80.7</b>	<b>75.8</b>	<b>68.2</b>	<b>38.5</b>	<b>33.5</b>	<b>28.3</b>	<b>34.6</b>	<b>34.9</b>	<b>23.8</b>	<b>53.2</b>
<b>Age</b>																
Less than 25 .....	30.8	21.0	11.1	15.5	36.2	37.3	79.5	75.2	69.1	36.2	8.4	48.9	38.1	57.2	3.1	37.7
25 to 29 .....	23.4	16.6	16.8	18.4	33.4	31.3	83.5	68.5	66.3	44.2	48.0	22.6	30.0	21.1	35.2	63.4
30 to 39 .....	30.7	21.0	16.2	17.9	33.2	32.7	82.3	74.0	70.3	42.3	51.2	15.6	34.2	22.2	38.6	61.9
40 to 49 .....	36.4	23.0	16.9	17.9	30.9	34.3	80.9	79.4	69.6	39.0	48.6	15.7	33.5	19.1	39.1	65.1
50 to 59 .....	27.1	15.8	17.7	19.8	27.9	34.7	80.2	79.2	65.0	37.1	50.9	9.5	30.8	19.5	37.2	64.7
60 or older .....	10.5	4.6	20.7	16.7	28.7	33.9	80.2	77.5	60.0	33.2	51.4	3.3	27.4	19.7	26.5	59.4
<b>Family income</b>																
Less than \$20,000 .....	9.2	5.6	19.2	15.7	31.3	33.8	72.4	64.6	57.8	28.6	32.3	34.7	33.0	33.7	16.2	50.2
\$20,000 to \$29,999 .....	18.5	11.3	16.6	16.6	33.9	32.9	74.6	73.0	62.8	32.1	33.8	28.4	37.8	36.8	21.2	50.2
\$30,000 to \$39,999 .....	26.5	16.9	14.0	16.8	34.2	35.0	76.8	72.7	66.7	33.7	33.6	27.5	35.3	35.4	22.2	49.2
\$40,000 to \$49,999 .....	35.2	22.9	13.9	16.6	33.8	35.7	81.6	77.2	71.4	37.5	31.4	26.0	32.8	35.4	21.0	48.9
\$50,000 to \$74,999 .....	47.3	31.6	13.5	17.6	33.2	35.7	82.5	78.6	70.4	41.7	33.3	28.5	34.2	35.4	25.2	53.8
\$75,000 or more .....	62.8	42.4	14.3	17.9	33.0	34.8	87.6	80.1	72.2	46.1	35.3	26.9	35.0	33.6	29.1	60.2
<b>Total, all students .....</b>	<b>36.1</b>	<b>26.5</b>	<b>12.4</b>	<b>16.3</b>	<b>36.3</b>	<b>35.1</b>	<b>80.6</b>	<b>76.3</b>	<b>69.9</b>	<b>37.5</b>	<b>11.8</b>	<b>55.1</b>	<b>39.1</b>	<b>55.1</b>	<b>5.7</b>	<b>41.8</b>
Preprimary .....	29.6	15.3	4.7	10.7	39.5	45.0	82.3	72.0	69.6	40.9	0.7	4.1	62.0	86.6	0.0	5.1
1st to 8th grade .....	31.9	24.3	9.9	14.1	37.9	38.1	79.9	75.2	72.1	36.9	2.6	43.6	48.2	86.4	0.0	28.0
9th to 12th grade .....	37.2	28.1	11.6	17.7	37.3	33.3	77.7	78.0	69.7	34.6	7.1	73.0	26.6	32.9	2.3	47.6
Undergraduate .....	44.7	32.4	16.2	19.2	31.8	32.8	81.5	78.1	66.8	36.3	26.5	70.6	26.8	16.3	12.1	62.0
Graduate .....	60.4	51.8	25.5	21.4	33.2	20.0	89.4	77.9	67.8	50.3	47.8	69.5	39.2	21.9	37.0	80.1
<b>Sex</b>																
<b>Male .....</b>	<b>36.2</b>	<b>26.9</b>	<b>15.1</b>	<b>17.0</b>	<b>34.1</b>	<b>33.7</b>	<b>81.0</b>	<b>76.1</b>	<b>70.5</b>	<b>38.7</b>	<b>12.7</b>	<b>54.1</b>	<b>39.4</b>	<b>57.8</b>	<b>6.1</b>	<b>40.1</b>
Preprimary .....	28.5	14.8	6.0	13.1	37.3	43.6	82.7	71.1	71.0	41.3	0.4	5.8	61.3	90.7	0.0	4.4
1st to 8th grade .....	31.8	24.5	11.6	14.3	36.6	37.5	80.6	75.1	72.1	36.2	2.2	40.5	47.4	88.8	0.0	26.0
9th to 12th grade .....	36.6	27.6	15.0	19.7	33.4	31.9	77.5	77.8	69.7	36.5	8.5	72.5	27.4	34.3	2.3	45.1
Undergraduate .....	48.7	36.1	20.2	19.8	30.0	30.0	82.1	78.8	68.2	40.7	29.4	72.1	27.8	18.3	12.5	61.9
Graduate .....	62.6	55.2	31.0	20.7	30.2	18.1	89.7	75.0	69.2	51.8	53.6	71.6	42.1	25.1	42.4	80.6
<b>Female .....</b>	<b>36.0</b>	<b>26.2</b>	<b>9.6</b>	<b>15.5</b>	<b>38.5</b>	<b>36.5</b>	<b>80.2</b>	<b>76.5</b>	<b>69.4</b>	<b>36.3</b>	<b>10.8</b>	<b>56.2</b>	<b>38.8</b>	<b>52.3</b>	<b>5.4</b>	<b>43.6</b>
Preprimary .....	30.9	15.8	3.4	8.2	41.9	46.5	82.0	73.0	68.2	40.6	1.0	2.2	62.7	82.3	0.0	5.8
1st to 8th grade .....	32.1	24.2	8.0	13.8	39.4	38.7	79.2	75.2	72.1	37.6	3.1	46.9	49.1	83.9	0.0	30.2
9th to 12th grade .....	37.9	28.6	8.1	15.6	41.4	34.9	77.9	78.2	69.7	32.6	5.7	73.5	25.8	31.5	2.3	50.1
Undergraduate .....	41.5	29.4	12.3	18.6	33.5	35.6	80.9	77.5	65.6	32.0	23.7	69.0	25.8	14.3	11.8	62.1
Graduate .....	58.4	48.8	19.9	22.1	36.1	21.8	89.2	80.7	66.4	48.9	41.8	67.5	36.2	18.7	31.6	79.7
<b>Race/ethnicity</b>																
<b>White, non-Hispanic ..</b>	<b>43.3</b>	<b>32.2</b>	<b>11.9</b>	<b>16.0</b>	<b>35.8</b>	<b>36.3</b>	<b>81.1</b>	<b>77.6</b>	<b>70.1</b>	<b>38.0</b>	<b>11.4</b>	<b>55.2</b>	<b>38.4</b>	<b>55.6</b>	<b>5.7</b>	<b>42.6</b>
Preprimary .....	35.8	19.0	4.4	11.8	37.4	46.4	83.7	72.7	70.2	41.7	0.7	4.3	62.0	87.1	0.0	5.7
1st to 8th grade .....	39.6	30.8	9.7	13.8	37.1	39.5	80.5	76.8	72.3	37.5	2.7	43.8	47.2	87.0	0.0	28.9
9th to 12th grade .....	46.2	35.1	10.9	16.6	38.1	34.4	78.2	79.5	69.8	35.5	7.1	73.5	25.5	31.8	2.1	48.7
Undergraduate .....	49.4	35.5	15.8	19.3	31.2	33.7	81.9	79.2	67.0	36.4	26.1	71.2	25.5	15.5	13.2	64.0
Graduate .....	61.4	52.8	25.1	22.1	32.5	20.3	89.3	78.1	67.3	50.1	47.3	70.8	39.3	21.0	36.2	82.1
<b>Black, non-Hispanic ..</b>	<b>16.1</b>	<b>10.8</b>	<b>13.8</b>	<b>16.8</b>	<b>37.0</b>	<b>32.4</b>	<b>73.8</b>	<b>64.8</b>	<b>68.4</b>	<b>34.5</b>	<b>14.2</b>	<b>53.0</b>	<b>50.8</b>	<b>56.3</b>	<b>7.4</b>	<b>33.9</b>
Preprimary .....	12.3	4.1	5.9	2.9	53.6	37.7	67.9	59.2	66.9	39.3	0.0	0.0	76.7	85.7	0.0	0.0
1st to 8th grade .....	13.1	8.9	10.6	16.9	42.8	29.7	73.6	60.7	70.6	33.8	3.2	44.8	64.9	84.5	0.0	22.6
9th to 12th grade .....	14.6	10.3	12.6	22.0	29.0	36.4	71.4	59.7	61.5	21.2	3.7	67.9	36.1	40.4	5.6	27.2
Undergraduate .....	27.0	19.1	18.7	13.9	33.0	34.4	76.1	75.2	70.7	41.3	37.2	60.6	40.3	27.5	9.3	56.7
Graduate .....	56.7	47.6	21.7	18.8	32.2	27.3	82.3	75.3	69.5	48.6	37.4	60.3	35.8	24.9	47.9	60.2
<b>Hispanic .....</b>	<b>15.2</b>	<b>10.3</b>	<b>13.9</b>	<b>21.1</b>	<b>39.6</b>	<b>25.5</b>	<b>74.7</b>	<b>73.0</b>	<b>63.0</b>	<b>32.7</b>	<b>17.2</b>	<b>54.9</b>	<b>34.7</b>	<b>51.2</b>	<b>5.2</b>	<b>35.3</b>
Preprimary .....	11.7	5.6	7.9	6.8	36.7	48.6	70.5	75.5	53.8	29.7	0.0	0.0	39.6	71.1	0.0	0.0
1st to 8th grade .....	12.1	7.4	11.2	16.1	42.8	29.9	72.3	70.4	65.3	31.2	0.8	38.9	40.4	84.7	0.0	17.6
9th to 12th grade .....	14.4	9.6	13.7	33.2	29.6	23.5	71.5	76.9	67.4	31.2	15.8	68.7	27.7	41.3	2.4	47.1
Undergraduate .....	27.3	21.9	15.0	22.4	42.1	20.5	78.2	70.5	55.5	31.4	30.8	73.1	30.3	12.7	5.8	47.5
Graduate .....	56.3	52.2	28.5	16.5	44.4	10.6	95.1	84.9	77.9	58.8	69.8	71.8	39.6	37.7	43.5	75.4
<b>Family income</b>																
Less than \$20,000 .....	15.2	10.9	18.5	16.0	34.1	31.3	74.9	65.9	57.9	29.2	20.4	62.0	35.3	44.0	8.4	47.6
\$20,000 to \$29,999 .....	25.5	18.6	13.4	16.8	38.6	31.2	72.7	71.8	63.7	31.1	13.0	53.3	41.2	51.5	7.0	38.6
\$30,000 to \$39,999 .....	34.3	25.1	11.9	15.4	38.2	34.6	76.3	73.2	67.5	32.8	11.5	55.3	41.0	54.1	6.9	36.9
\$40,000 to \$49,999 .....	42.6	31.5	10.9	16.7	37.0	35.3	80.4	78.8	74.0	36.0	8.9	53.2	38.1	61.3	4.8	35.7
\$50,000 to \$74,999 .....	55.9	42.0	10.5	17.3	34.1	38.1	82.8	79.9	73.4	41.8	10.1	54.1	38.1	56.9	4.4	41.9
\$75,000 or more .....	73.7	54.1	12.1	15.2	37.2	35.5	87.8	80.5	74.6	43.6	10.4	54.5	40.8	57.9	4.9	46.7

<sup>1</sup> Data are for the most recently purchased computer for families with more than one computer. Percent based on persons who have a computer in their home.

<sup>2</sup> Individuals may be counted in more than one computer activity.

<sup>3</sup> Includes bulletin boards and electronic mail.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1993, unpublished data. (This table was prepared May 1994.)

**Table 422.—Student use of computers, by level of instruction and selected characteristics:  
October 1984, 1989, and 1993**

Student and school characteristics	October 1984 Total	October 1989						October 1993					
		Total	Prekindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college	Total	Prekindergarten and kindergarten	Grades 1 to 8	Grades 9 to 12	1st to 4th year of college	5th or later year of college
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Percent of students using computers at school													
<b>Total .....</b>	<b>27.3</b>	<b>42.7</b>	<b>14.7</b>	<b>52.3</b>	<b>39.2</b>	<b>39.2</b>	<b>40.7</b>	<b>59.0</b>	<b>26.2</b>	<b>68.9</b>	<b>58.2</b>	<b>55.2</b>	<b>52.1</b>
Sex .....													
Male .....	29.0	43.5	13.9	52.9	38.7	42.1	47.0	59.4	25.9	69.5	56.5	57.5	56.7
Female .....	25.5	41.9	15.6	51.7	39.8	36.8	34.9	58.7	26.5	68.4	60.0	53.3	47.8
Race/ethnicity .....													
White, non-Hispanic .....	30.0	45.7	17.0	58.4	40.6	40.0	39.6	61.6	29.4	73.7	59.9	54.9	49.8
Black, non-Hispanic .....	16.8	32.6	7.4	35.7	36.0	35.1	35.2	51.5	16.5	56.5	54.5	56.9	57.9
Hispanic .....	18.6	34.9	10.1	40.2	33.6	32.4	37.8	52.3	19.2	58.4	54.1	51.9	53.7
Other .....	28.6	42.7	8.5	47.0	41.4	43.9	58.0	59.0	23.5	65.7	57.3	60.9	69.4
Household income .....													
Less than \$5,000 .....	18.7	36.7	8.5	40.4	35.6	40.1	53.5	51.2	19.6	55.0	50.6	61.7	66.7
\$5,000 to 9,999 .....	21.0	36.1	9.2	40.3	32.7	40.5	60.2	53.3	24.4	60.3	51.9	53.9	56.2
\$10,000 to 14,999 .....	22.4	38.4	14.6	44.4	39.1	30.8	55.2	56.4	20.1	64.7	56.7	50.7	76.1
\$15,000 to 19,999 .....	25.9	41.5	11.9	50.9	34.8	39.6	44.0	58.1	23.8	67.5	57.4	51.2	58.5
\$20,000 to 24,999 .....	26.7	42.4	14.6	51.8	40.1	32.5	44.4	56.4	23.7	64.3	53.0	57.4	58.4
\$25,000 to 29,999 .....	30.5	46.1	16.1	56.4	43.8	40.4	42.1	60.0	28.0	70.1	60.3	51.5	58.0
\$30,000 to 34,999 .....	30.5	44.2	17.4	56.8	37.8	37.1	33.3	59.1	23.7	69.6	59.7	51.7	45.3
\$35,000 to 39,999 .....	32.3	45.2	16.1	58.3	41.5	34.5	45.3	60.7	27.1	72.1	61.7	49.2	47.9
\$40,000 to 49,999 .....	32.8	44.7	15.4	59.7	36.7	38.1	35.4	59.3	28.5	70.3	57.2	53.9	48.6
\$50,000 to 74,999 .....	35.5	47.0	16.2	61.2	44.6	43.4	31.8	62.6	28.6	75.6	61.5	57.4	44.2
\$75,000 or more .....	36.0	51.2	21.2	67.0	45.8	49.6	31.0	64.6	33.5	78.7	62.5	60.9	47.7
Control of school .....													
Public .....	27.4	43.3	16.4	51.9	39.0	37.5	41.3	60.2	30.1	68.6	58.1	53.9	54.1
Private .....	26.5	38.9	11.8	56.6	42.6	46.3	39.7	52.1	18.7	72.5	60.7	60.7	48.0
Percent of students using computers at home													
<b>Total .....</b>	<b>11.5</b>	<b>18.8</b>	<b>10.2</b>	<b>17.8</b>	<b>20.7</b>	<b>21.3</b>	<b>33.4</b>	<b>27.0</b>	<b>15.6</b>	<b>24.7</b>	<b>28.7</b>	<b>32.8</b>	<b>52.6</b>
Sex .....													
Male .....	14.0	20.7	11.0	18.7	23.9	25.4	36.0	27.4	15.1	24.8	28.2	36.6	56.1
Female .....	9.0	17.0	9.3	16.9	17.4	18.0	31.1	26.6	16.1	24.6	29.2	29.7	49.5
Race/ethnicity .....													
White, non-Hispanic .....	13.7	22.7	12.2	22.3	25.3	23.6	35.6	32.8	19.4	31.4	35.9	36.0	53.6
Black, non-Hispanic .....	4.9	7.3	3.7	6.8	8.5	9.1	18.6	10.9	4.2	9.0	10.4	19.4	48.1
Hispanic .....	3.6	7.5	3.4	6.6	8.2	11.5	27.1	10.4	5.7	7.5	9.8	22.0	52.2
Other .....	9.0	18.8	9.9	16.6	21.6	23.7	24.7	28.7	17.0	23.2	37.0	33.0	47.1
Household income .....													
Less than \$5,000 .....	2.9	8.4	4.5	4.1	6.6	17.7	29.4	9.7	1.1	4.1	6.8	25.6	45.2
\$5,000 to 9,999 .....	3.2	5.4	1.0	2.7	4.4	14.2	28.4	8.0	0.9	4.5	5.3	21.3	45.6
\$10,000 to 14,999 .....	5.0	7.2	1.9	6.2	6.5	11.8	26.5	11.4	4.6	6.4	8.7	29.8	50.0
\$15,000 to 19,999 .....	7.5	11.3	3.2	9.2	13.6	15.8	33.6	15.1	6.9	10.9	14.1	28.9	43.0
\$20,000 to 24,999 .....	9.9	12.9	6.8	11.6	13.6	16.9	32.2	16.8	7.4	13.1	17.9	27.7	49.6
\$25,000 to 29,999 .....	12.8	17.0	11.9	16.5	17.1	19.2	29.6	21.1	12.3	19.3	22.0	26.1	47.0
\$30,000 to 34,999 .....	15.8	17.7	8.0	17.6	20.2	19.4	30.7	24.1	18.7	20.5	29.1	26.4	44.4
\$35,000 to 39,999 .....	19.4	21.4	8.7	22.2	25.1	22.1	26.5	27.1	13.0	26.3	28.1	32.7	52.7
\$40,000 to 49,999 .....	20.4	25.7	14.8	27.5	27.7	21.7	40.7	32.2	21.6	32.9	33.9	32.5	45.9
\$50,000 to 74,999 .....	24.2	31.6	20.6	33.8	34.3	27.6	41.1	43.0	25.5	45.3	46.4	40.1	58.2
\$75,000 or more .....	22.1	43.8	25.2	50.9	53.4	33.9	41.4	56.1	38.2	62.3	61.0	47.0	64.7
Control of school .....													
Public .....	11.2	17.9	8.3	16.8	19.7	20.7	32.2	25.3	12.1	23.0	27.2	31.9	50.0
Private .....	13.8	24.4	13.4	27.7	35.9	23.8	35.9	37.4	22.4	41.5	47.2	36.9	57.7
Percent of students using computers at home for school work													
<b>Total .....</b>	<b>4.6</b>	<b>8.9</b>	<b>0.6</b>	<b>6.3</b>	<b>12.2</b>	<b>13.7</b>	<b>23.9</b>	<b>14.9</b>	<b>0.6</b>	<b>10.8</b>	<b>20.9</b>	<b>23.1</b>	<b>36.6</b>
Sex .....													
Male .....	5.9	9.5	0.6	6.3	13.6	16.0	25.9	14.8	0.9	10.1	20.5	26.3	40.3
Female .....	3.3	8.3	0.6	6.2	10.8	11.7	22.0	15.0	0.4	11.5	21.4	20.5	33.2
Race .....													
White, non-Hispanic .....	5.4	10.7	0.6	7.7	15.2	15.1	25.5	18.2	0.8	13.8	26.5	25.7	37.8
Black, non-Hispanic .....	2.3	3.4	0.9	2.7	4.0	6.2	12.6	5.7	—	4.0	6.9	11.5	30.1
Hispanic .....	1.4	3.6	—	2.8	4.4	6.4	24.8	5.6	—	2.9	6.7	15.9	36.8
Other .....	3.8	9.1	—	5.8	13.4	15.5	14.8	16.0	1.1	9.3	27.0	23.7	29.2
Household income .....													
Less than \$5,000 .....	1.0	5.0	—	1.5	4.1	12.6	23.8	6.7	—	2.5	4.0	18.7	36.0
\$5,000 to 9,999 .....	1.5	3.2	—	0.6	2.6	10.3	26.5	4.8	—	1.1	3.6	16.1	35.5
\$10,000 to 14,999 .....	1.9	3.5	0.7	1.8	3.6	8.1	19.3	7.3	—	2.6	5.6	25.9	34.6
\$15,000 to 19,999 .....	3.0	4.5	—	2.1	5.2	9.3	30.2	8.6	0.4	4.7	10.8	18.7	31.0
\$20,000 to 24,999 .....	3.1	5.7	0.3	3.8	7.6	10.5	23.8	9.8	0.7	5.1	12.6	22.9	35.0
\$25,000 to 29,999 .....	5.1	6.4	0.3	4.1	8.2	12.3	19.7	10.4	1.1	6.3	13.4	19.5	34.9
\$30,000 to 34,999 .....	4.9	8.0	0.1	5.7	12.0	12.8	19.8	13.0	0.8	8.1	21.9	18.0	35.1
\$35,000 to 39,999 .....	7.1	10.5	1.2	7.9	15.0	15.9	18.7	15.4	0.8	12.4	21.0	22.6	37.2
\$40,000 to 49,999 .....	9.2	11.9	0.7	9.7	17.1	14.3	29.4	17.1	1.1	14.7	24.2	22.2	32.1
\$50,000 to 74,999 .....	11.5	15.2	0.8	12.7	21.2	17.5	28.5	23.2	1.0	19.7	35.0	27.0	38.2
\$75,000 or more .....	9.8	22.0	2.4	21.9	34.2	21.2	22.2	30.4	0.8	29.4	45.2	30.6	41.5
Control of school .....													
Public .....	4.5	8.5	0.6	5.9	11.5	13.1	22.2	14.2	0.5	10.1	19.8	22.7	34.7
Private .....	5.4	11.4	0.5	9.4	23.6	15.8	27.1	18.8	1.0	17.8	35.4	24.8	40.1

—Data not available.

NOTE.—Data are based on a sample survey of households and are subject to sampling and nonsampling error.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Current Population Survey, October 1984, 1989, and 1993, unpublished data. (This table was prepared April 1994.)